COLOR MONITOR

SyncMaster 150MP
(ML15NS / ML15AS)

SERVICE Manual

COLOR MONITOR

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2 Product Specifications

2-1 Specifications

Item	Description		
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly white, 15-Inch viewable, 0.297 (H) x 0.297 (V) pixel pitch		
Scanning Frequency	Horizontal : 30 kHz to 70 kHz (Automatic) Vertical : 56 Hz to 85 Hz (Automatic)		
Display Colors	16,7 Million colors		
Maximum Resolution	Horizontal : 1024 Pixels Vertical : 768 Pixels		
Input Video Signal	Analog, 0.7 Vp-p ± 5% positive at 75 Ω, internally terminated		
Input Sync Signal	Type: Seperate H/V Sync-on-Green, automatic synchronization without external switch of sync type Level: TTL level		
Maximum Pixel Clock rate	95 MHz		
Active Display Horizontal/Vertical	304.1 mm / 228.1 mm		
AC power voltage & Frequency	AC 110 to 240 Volts, 60/ 50 Hz ± 3 Hz		
Power Consumption	33 W (max)		
Dimensions Unit (W x D x H) Carton (W x D x H)	 15.9 x 7.7 x 16.5 Inches (404 x 196 x 419 mm) 18.7 x 11.1 x 20.1 Inches (475 x 282 x 510 mm)		
Weight (Net/Gross)	1.3 kg		
Environmental Considerations	Operating Temperature : 50 °F to 104 °F (10 °C to 40 °C) Humidity : 10 % to 80 % Storage Temperature : -13 °F to 113 °F (-25 °C to 45 °C) Humidity : 5 % to 95 %		
TV System		ML15NS	ML15AS
	Tunning Color Sound	Frequency Synthesize NTSC BTSC.A2 STEREO.FM-FM	Frequency Synthesize PAL NICAM.A2 STEREO
Antena Input	75Ω Coaxial Cable		
Sound Characteristic	– MAX Internal speaker Out::Right => 1W Left => 1W – BASS Control Range: -12dB~ + 12dB – TREBLE Control Range: -12dB~ + 12dB – Line Out: -7dBm (Fixed) – Headphone Out: RF => 5mW max (400m Vrms) A/V => 10mW max (580 Vrms), Max Input sound: -9dBm – Output Frequency (TBD): RF => 80 Hz ~ 15 KHz A/V => 80 Hz ~ 20 KHz		

- SyncMaster 150MP comply with SWEDAC (MPR II) recommendations for reduced electromagnetic fields.
- Designs and specifications are subject to change without prior notice.

2-2 Pin Assignments

Sync Type / Pin No.	15-Pin Signal Cable Connector		
	Separate	**Composite**	**Sync-on-green**
1	Red	Red	Red
2	Green	Green	Green + H/V Sync
3	Blue	Blue	Blue
4	GND	GND	GND
5	GND (DDC Return)	GND (DDC Return)	GND (DDC Return)
6	GND-Red	GND-Red	GND-Red
7	GND-Green	GND-Green	GND-Green
8	GND-Blue	GND-Blue	GND-Blue
9	No Connection	No Connection	Not Used
10	GND-Sync/Self Test	GND-Sync/Self Test	GND-Sync/Self Test
11	GND	GND	GND
12	DDC Data	DDC Data	DDC Data
13	Horizontal sync	H/V-Sync	Not Used
14	Vertical sync	Not Used	Not Used
15	DDC Clock	DDC Clock	DDC Clock

2-3 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

Table 2-1. Timing Chart

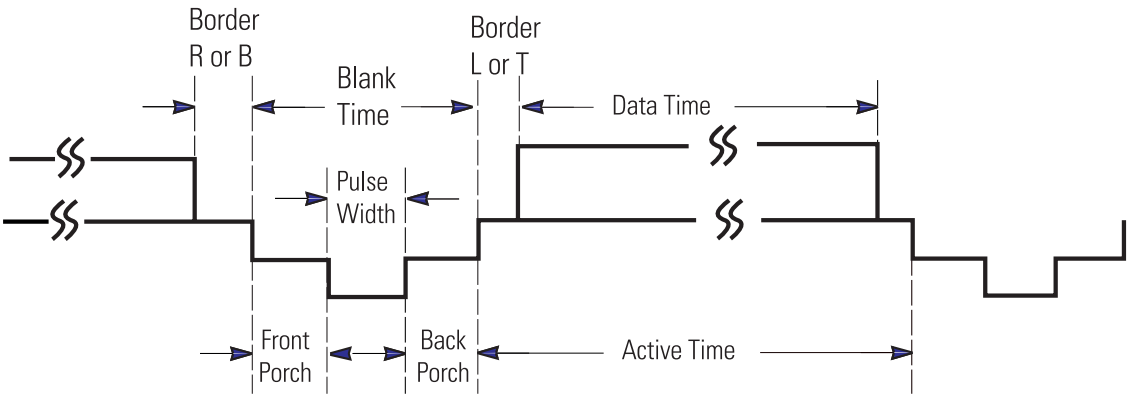
Timing No.	1	2	3	11	17
Originator	IBM	IBM	IBM	VESA	VESA
Mode Name	VGA1	VGA2	VGA3	640/72Hz	640/75Hz
Resolution (HxV)	640x350	720x400	640x480	640x480	640x480
HORIZONTAL					
Frequency	31.469kHz	31.469kHz	31.469kHz	37.861kHz	37.500kHz
Total time	31.778µs	31.777µs	31.778µs	26.413µs	26.667µs
Active time	26.058µs	26.058µs	26.058µs	20.825µs	20.317µs
Blank time	5.720µs	5.720µs	5.720µs	5.588µs	6.350µs
Border (L / R)	0.318µs	0.318µs	0.318µs	0.254µs	0.000µs
Data time	25.422µs	25.422µs	25.422µs	20.317µs	20.317µs
Front porch	0.318µs	0.318µs	0.318µs	0.508µs	0.508µs
Sync. width	3.813µs	3.813µs	3.813µs	1.270µs	2.032µs
Back porch	1.589µs	1.589µs	1.589µs	3.810µs	3.810µs
Sync. polarity	Positive	Negative	Negative	Negative	Negative
VERTICAL					
Frequency	70.086Hz	70.087Hz	59.940Hz	72.809Hz	75.000Hz
Total time	14.268ms	14.268ms	16.683ms	13.735ms	13.333ms
Active time	11.504ms	13.155ms	15.761ms	13.100ms	12.800ms
Blank time	2.764ms	1.113ms	0.922ms	0.635ms	0.533ms
Border (T / B)	0.191ms	0.222ms	0.254ms	0.211ms	0.000ms
Data time	11.122ms	12.711ms	15.253ms	12.678ms	12.800ms
Front porch	0.985ms	0.191ms	0.064ms	0.026ms	0.027ms
Sync. width	0.064ms	0.064ms	0.064ms	0.079ms	0.080ms
Back porch	1.716ms	0.858ms	0.794ms	0.528ms	0.427ms
Sync. polarity	Negative	Positive	Negative	Negative	Negative
Dot Clock	25.175MHz	28.322MHz	25.175MHz	31.500MHz	31.500MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

Table 2-1. Timing Chart *(Continued)*

Timing No.	12	13	14	18	16
Originator	VESA	VESA	VESA	VESA	VESA
Mode Name	800/56Hz	800/60Hz	800/72Hz	800/75Hz	1024/70Hz
Resolution (HxV)	800x600	800x600	800x600	800x600	1024x768
HORIZONTAL					
Frequency	35.156kHz	37.879kHz	48.077kHz	46.875kHz	56.476kHz
Total time	28.444µs	26.400µs	20.800µs	21.333µs	17.707µs
Active time	22.222µs	20.000µs	16.000µs	16.162µs	13.653µs
Blank time	6.222µs	6.400µs	4.800µs	5.171µs	4.054µs
Border (L / R)	0.000µs	0.000µs	0.000µs	0.000µs	0.000µs
Data time	22.222µs	20.000µs	16.000µs	16.162µs	13.653µs
Front porch	0.667µs	1.000µs	1.120µs	0.323µs	0.320µs
Sync. width	2.000µs	3.200µs	2.400µs	1.616µs	1.813µs
Back porch	3.556µs	2.200µs	1.280µs	3.232µs	1.920µs
Sync. polarity	Positive or Negative	Positive	Positive	Positive	Negative
VERTICAL					
Frequency	56.250Hz	60.317Hz	72.188Hz	75.000Hz	70.069Hz
Total time	17.778ms	16.579ms	13.853ms	13.333ms	14.272ms
Active time	17.067ms	15.840ms	12.480ms	12.800ms	13.599ms
Blank time	0.711ms	0.739ms	1.373ms	0.533ms	0.673ms
Border (T / B)	0.000ms	0.000ms	0.000ms	0.000ms	0.000ms
Data time	17.067ms	15.840ms	12.480ms	12.800ms	13.599ms
Front porch	0.028ms	0.026ms	0.770ms	0.021ms	0.053ms
Sync. width	0.057ms	0.106ms	0.125ms	0.064ms	0.106ms
Back porch	0.626ms	0.607ms	0.478ms	0.448ms	0.513ms
Sync. polarity	Positive or Negative	Positive	Positive	Positive	Negative
Dot Clock	36.000MHz	40.000MHz	50.000MHz	49.500MHz	75.000MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

Table 2-1. Timing Chart *(Continued)*

Timing No.	19	32	33
Originator	VESA	MAC	MAC
Mode Name	1024/75Hz	640/67Hz	832/75Hz
Resolution (HxV)	1024x768	640x480	832x624
HORIZONTAL			
Frequency	60.023kHz	35.000kHz	49.726kHz
Total time	16.660µs	28.571µs	20.110µs
Active time	13.003µs	21.164µs	14.524µs
Blank time	3.657µs	7.407µs	5.586µs
Border (L / R)	0.000µs	0.000µs	0.000µs
Data time	13.003µs	21.164µs	14.524µs
Front porch	0.203µs	2.116µs	0.559µs
Sync. width	1.219µs	2.116µs	1.117µs
Back porch	2.235µs	3.175µs	3.910µs
Sync. polarity	Positive	Negative	Negative
VERTICAL			
Frequency	75.029Hz	66.667Hz	74.551Hz
Total time	13.328ms	15.000ms	13.414ms
Active time	12.795ms	13.714ms	12.549ms
Blank time	0.533ms	1.286ms	0.865ms
Border (T / B)	0.000ms	0.000ms	0.000ms
Data time	12.795ms	13.714ms	12.549ms
Front porch	0.017ms	0.086ms	0.020ms
Sync. width	0.050ms	0.086ms	0.060ms
Back porch	0.466ms	1.114ms	0.784ms
Sync. polarity	Positive	Negative	Negative
Dot Clock	78.750MHz	30.240MHz	57.284MHz
Sync. Type	Separate	Separate Composite Sync.-on-G	Separate Composite Sync.-on-G
Scan Type*	N/I	N/I	N/I



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3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the SyncMaster 150MP monitor.

WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

3-1 Disassembly

Cautions: 1. Disconnect the monitor from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

3-1-1 Removing the Stand

1. Remove 4 screws in the hinge area.
2. Pry it off the back of the monitor.
3. Disconnect Power Cord and Signal Cable.

3-1-2 Main Body Disassembly

1. Remove the 4 screws on the four corner of the Rear Cover.
2. Remove Rear Cover from the Front Cover.
3. Remove 11 screws on the Shield and remove the shield.
4. Disconnect Inverter wire, Function PCB wire and Interface wire.
   Remove 4 screws on the Main PCB and remove 2 screws on the D sub shield.
5. Remove the Main PCB Assembly.
6. Remove 6 screws on the Inverter PCB Assembly and then remove it
7. Remove 6 screws on the Rear Panel Bracket.
8. Remove the Bracket Assembly from the Front Cover.
9. Remove 3 screws on the Function PCB from locking area of Function knob and remove Function PCB.
10. Remove 4 screws on the Shield of Panel.
11. Remove the Shield.
12. Remove Rear Bracket from Panel.
13. Remove 2 screws between Panel Rear and Inverter PCB.
14. Remove the Interface wire on the Rear Side of Panel.

3-1-3 Standard Stand Disassembly

1. Remove 5 screws from the Stand Rear
2. Remove 4 screws from the Stand Bottom.
3. Remove Stand Front from the Stand assembly.
4. Remove 2 screws from the Stand assembly.
5. Remove the Stand Rear from the Stand assembly.
6. Remove 5 screws on the Vesa Brkt from the Stand assembly.
7. Remove cover hinge from the Stand assembly.
8. Remove Stand Base from the Stand assembly.

3-1-4 Pivot Multi-media Stand Disassembly (option)

1. Stand the stand assembly with the base close to you.
2. Remove the 4 screws on the back cover of the stand and remove it.
3. Stand the stand assembly upside down.
4. Remove the 4 screws.
5. Disconnect CN805, CN806, CN807, CN808, CN809, CN812 and F1.
6. Remove the Back Cover of the Stand Front assembly.
7. Remove 4 screws on the external adaptor and remove the adaptor.
8. Remove 2 screws between hinge and Stand Body.
9. Remove the hinge
10. Remove 2 screws on Audio main PCB and remove it
11. Remove 2 screws on the Audio Function PCB and remove it.

3-1-5 Angle Pivot Stand Disassembly (option)

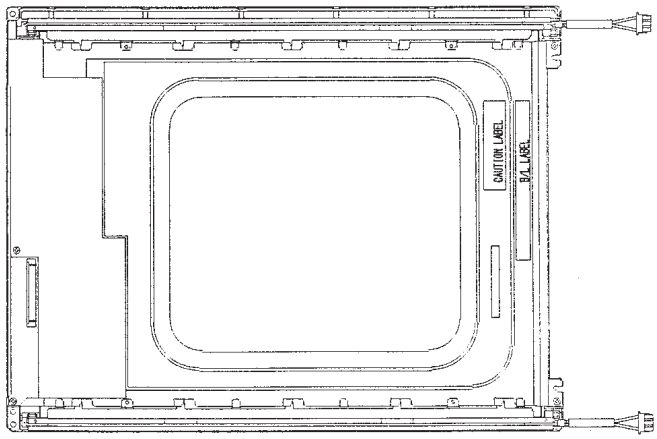
1. Remove the cap pivot from the stand assembly.
2. Remove the 4 screws on the hinge assembly.
3. Remove the 4 screws on the Stand Rear

4. Remove the Stand Rear from the Stand assembly.
5. Remove the Stand Front from the Stand assembly.
6. Remove the Neck Rear from the Stand assembly.
7. Remove the 4 Rubbers on the four corner of the Stand Bottom and the 4 screws on the four corner of the Stand Bottom.
8. Remove the 5 stopper hings from the Bracket Bottom.
9. Remove the Stand Base from the Stand Assembly.

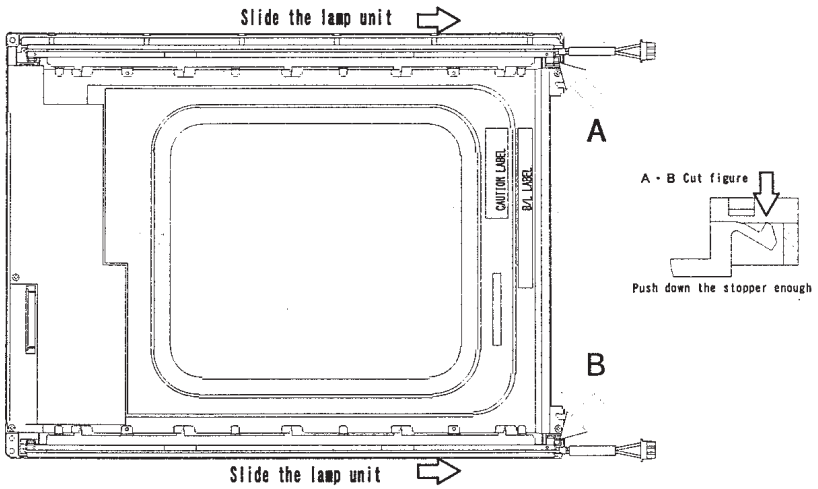
3-1-6 Wire frame stand Disassembly (option)

1. Carefully pull the cover hinge.
2. Remove the cover vesa from the Stand assembly.
3. Remove 4 screws on the assembly Bracket assembly.

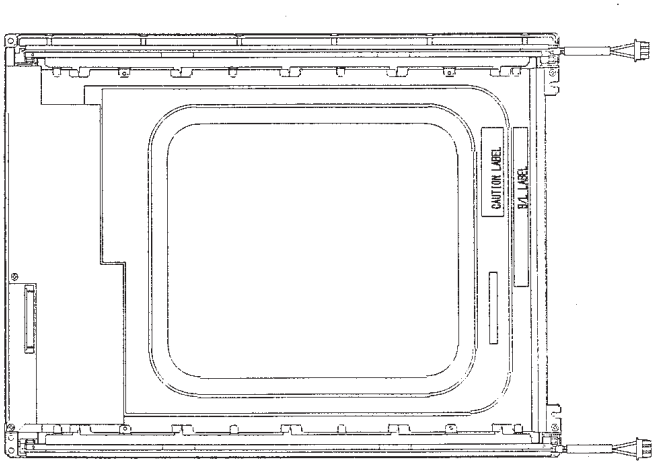
3-2 Replacement Order of Lamp Assemblies



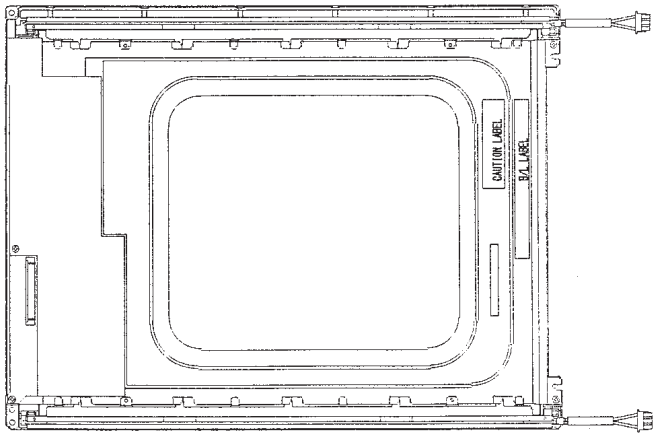
1. After confirm there is nothing on the desk
   Turn the LCD module over and put it on a flat desk set to the ground.



2. Push down the stopper and slide the lamp unit.



3. Please take out the lamp units from the LCD module.



4. Please fix the new lamp units on the LCD module : opposite process 2 and 3

* Replacement of lamp unit should be done at the power off state and rcommended clean bench condition.

3-3 Reassembly

Reassembly procedures are in the reverse order of Disassembly procedures.

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4 Alignments and Adjustments

4-1.General Alignment Instuction

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers,do not allow the marker generator to distort test result.
5. Connect the TV only to an DC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect aganist shock hazard,use an isolation transform.

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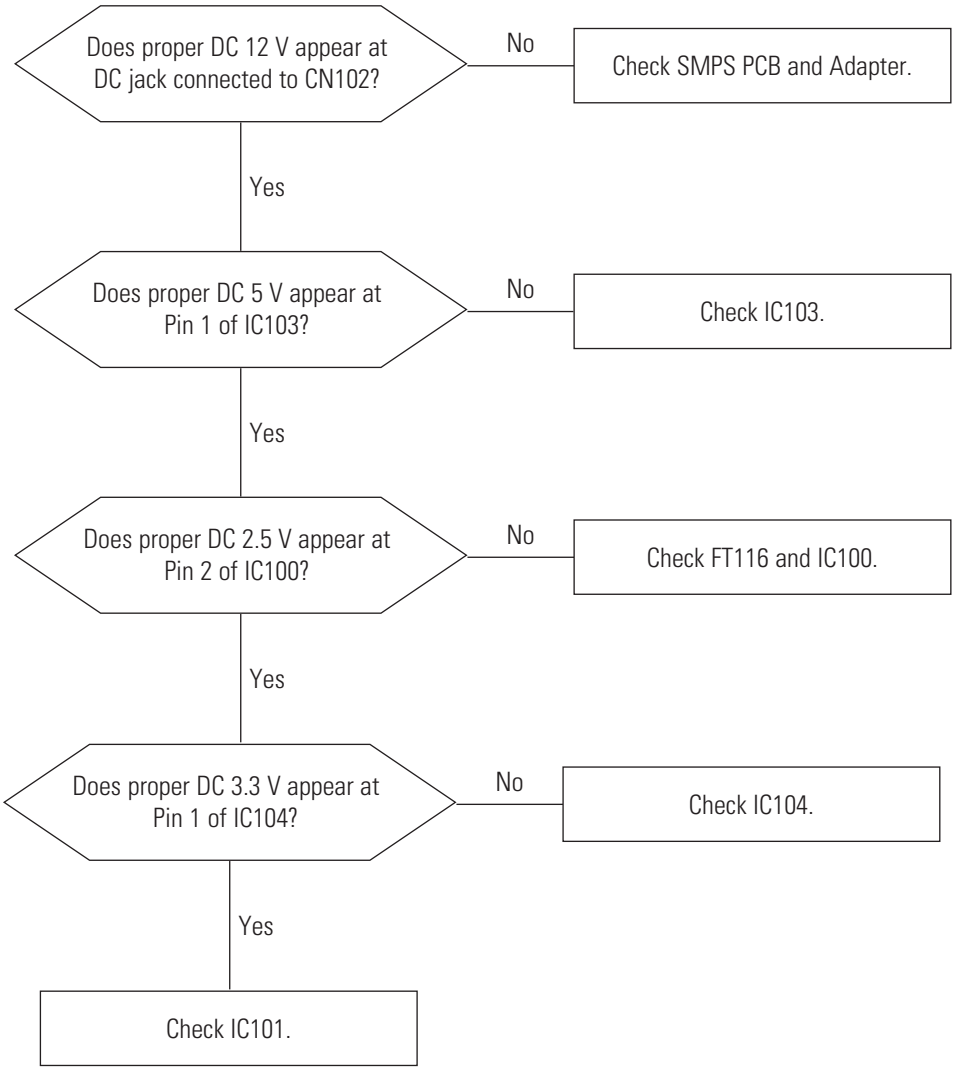
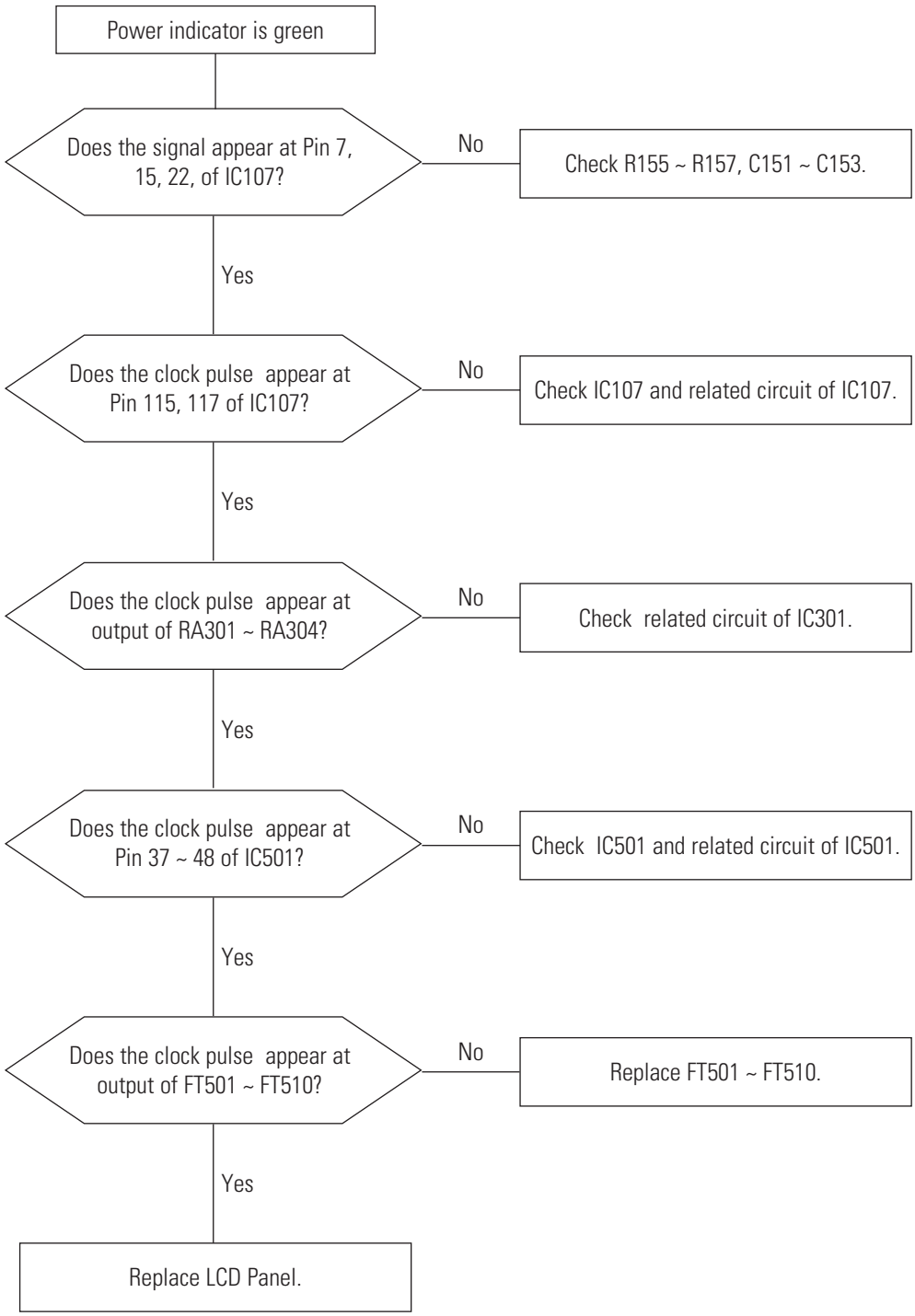
5 Troubleshooting

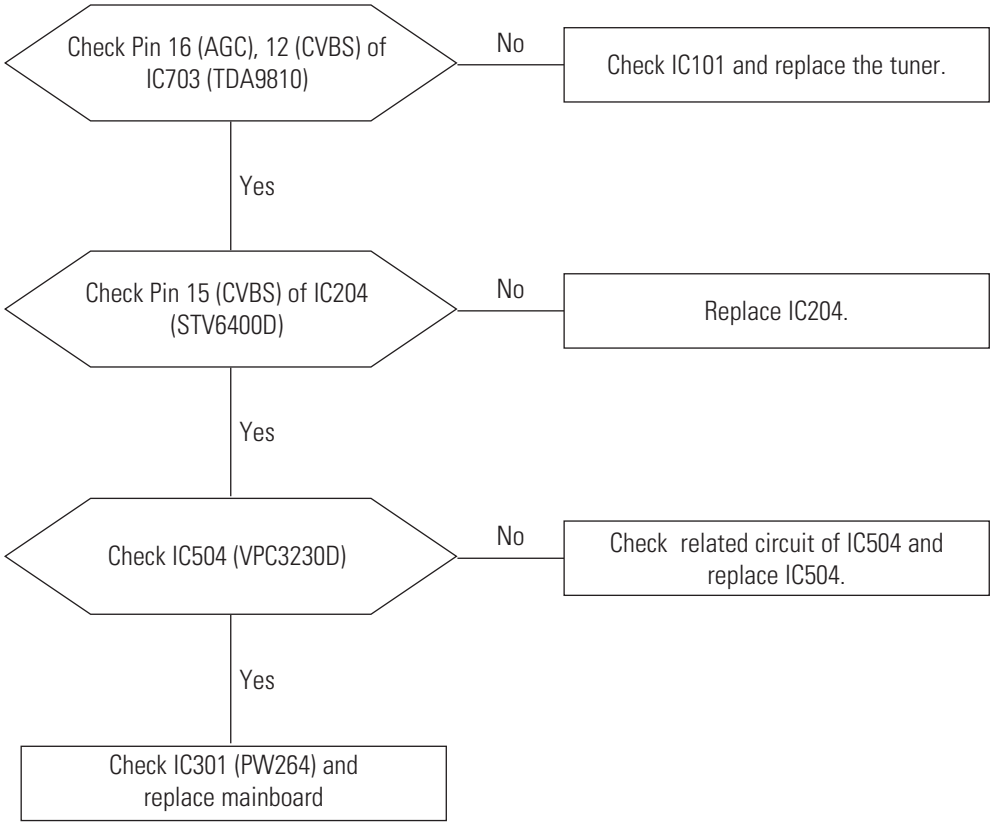
5-1 No Power


Does proper DC 12 V appear at DC jack connected to CN102?
No
Check SMPS PCB and Adapter.
Yes
Does proper DC 5 V appear at Pin 1 of IC103?
No
Check IC103.
Yes
Does proper DC 2.5 V appear at Pin 2 of IC100?
No
Check FT116 and IC100.
Yes
Does proper DC 3.3 V appear at Pin 1 of IC104?
No
Check IC104.
Yes
Check IC101.

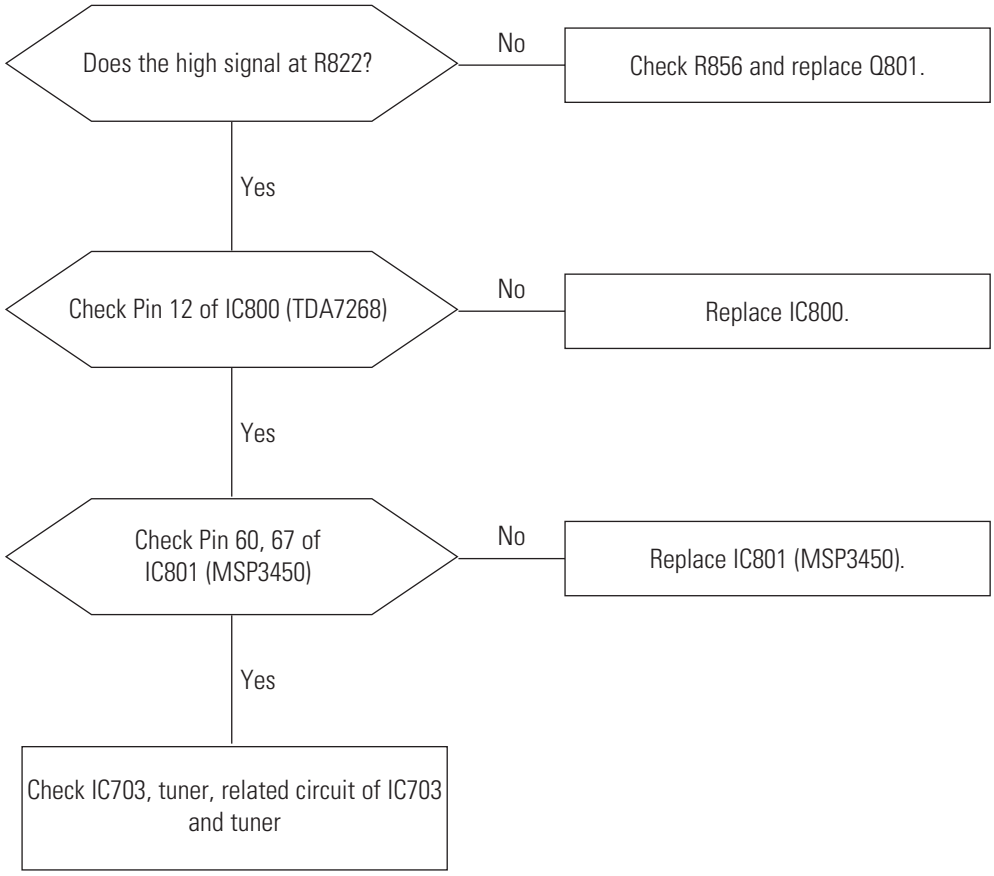
5-2 No Video (PC Signal)


Power indicator is green
Does the signal appear at Pin 7, 15, 22, of IC107?
No
Check R155 ~ R157, C151 ~ C153.
Yes
Does the clock pulse appear at Pin 115, 117 of IC107?
No
Check IC107 and related circuit of IC107.
Yes
Does the clock pulse appear at output of RA301 ~ RA304?
No
Check related circuit of IC301.
Yes
Does the clock pulse appear at Pin 37 ~ 48 of IC501?
No
Check IC501 and related circuit of IC501.
Yes
Does the clock pulse appear at output of FT501 ~ FT510?
No
Replace FT501 ~ FT510.
Yes
Replace LCD Panel.

5-3 No Picture (TV, Video 1, Video 2)

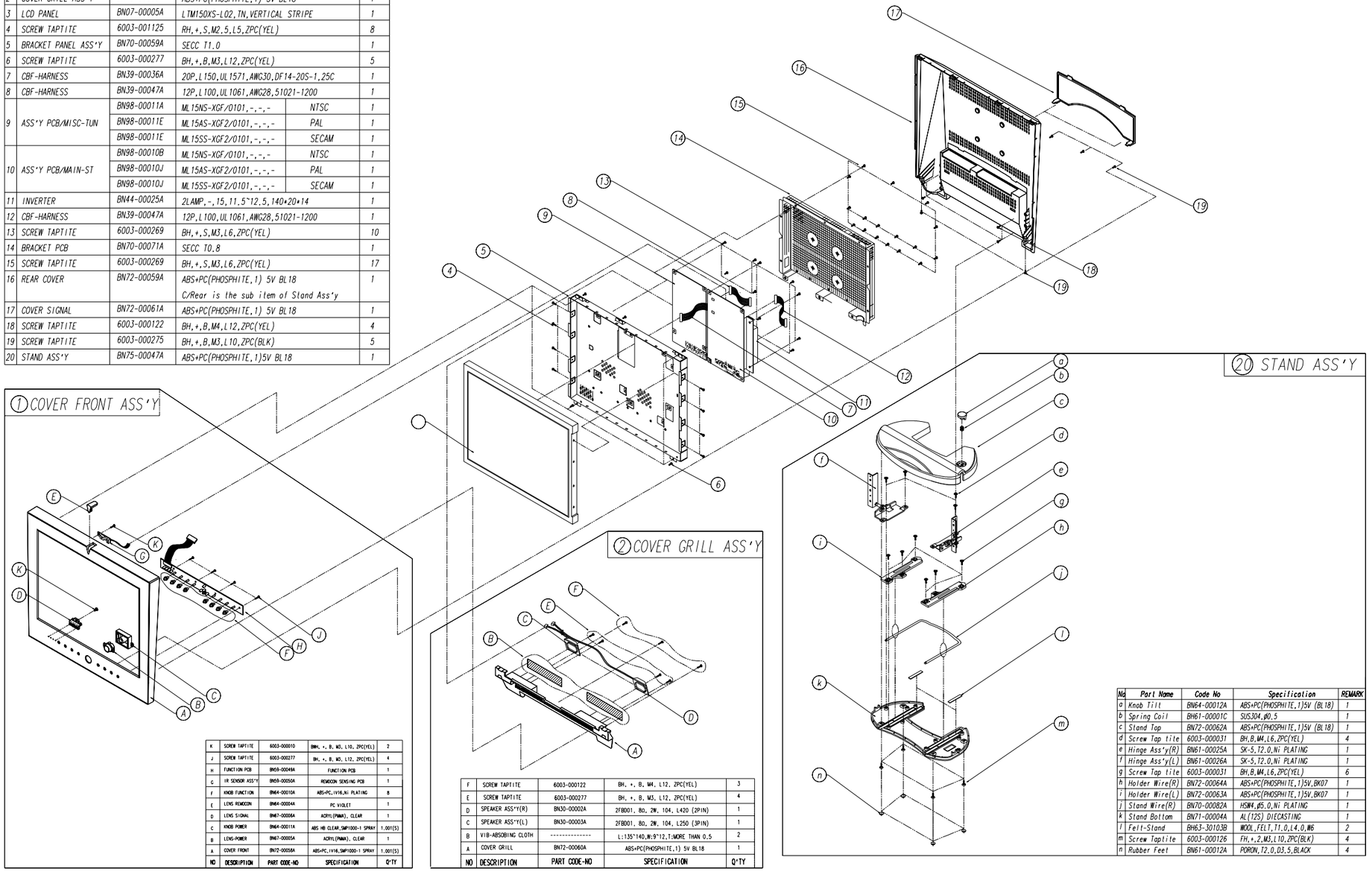


5-4 No Sound


Does the high signal at R822?
No
Check R856 and replace Q801.
Yes
Check Pin 12 of IC800 (TDA7268)
No
Replace IC800.
Yes
Check Pin 60, 67 of IC801 (MSP3450)
No
Replace IC801 (MSP3450).
Yes
Check IC703, tuner, related circuit of IC703 and tuner

6 Exploded View and Parts List

No	Part Name	Code No	Specification		Q'TY
1	FRONT COVER ASS'Y	BN75-00065A	ABS+PC IV16(SILVER SPRAY)		1
2	COVER GRILL ASS'Y	BN75-00066A	ABS+PC(PHOSPHITE,1) 5V BL18		1
3	LCD PANEL	BN07-00005A	LTM150XS-L02,TN,VERTICAL STRIPE		1
4	SCREW TAPTITE	6003-001125	RH,+,S,M2.5,L5,ZPC(YEL)		8
5	BRACKET PANEL ASS'Y	BN70-00059A	SECC T1.0		1
6	SCREW TAPTITE	6003-000277	BH,+,B,M3,L12,ZPC(YEL)		5
7	CBF-HARNESS	BN39-00036A	20P,L150,UL1571,AWG30,DF14-20S-1,25C		1
8	CBF-HARNESS	BN39-00047A	12P,L100,UL1061,AWG28,51021-1200		1
9	ASS'Y PCB/MISC-TUN	BN98-00011A	ML15NS-XGF/0101,-,-,-	NTSC	1
		BN98-00011E	ML15AS-XGF2/0101,-,-,-	PAL	1
		BN98-00011E	ML15SS-XGF2/0101,-,-,-	SECAM	1
10	ASS'Y PCB/MAIN-ST	BN98-00010B	ML15NS-XGF/0101,-,-,-	NTSC	1
		BN98-00010J	ML15AS-XGF2/0101,-,-,-	PAL	1
		BN98-00010J	ML15SS-XGF2/0101,-,-,-	SECAM	1
11	INVERTER	BN44-00025A	2LAMP,-,15,11.5~12.5,140*20*14		1
12	CBF-HARNESS	BN39-00047A	12P,L100,UL1061,AWG28,51021-1200		1
13	SCREW TAPTITE	6003-000269	BH,+,S,M3,L6,ZPC(YEL)		10
14	BRACKET PCB	BN70-00071A	SECC T0.8		1
15	SCREW TAPTITE	6003-000269	BH,+,S,M3,L6,ZPC(YEL)		17
16	REAR COVER	BN72-00059A	ABS+PC(PHOSPHITE,1) 5V BL18 C/Rear is the sub item of Stand Ass'y		1
17	COVER SIGNAL	BN72-00061A	ABS+PC(PHOSPHITE,1) 5V BL18		1
18	SCREW TAPTITE	6003-000122	BH,+,B,M4,L12,ZPC(YEL)		4
19	SCREW TAPTITE	6003-000275	BH,+,B,M3,L10,ZPC(BLK)		5
20	STAND ASS'Y	BN75-00047A	ABS+PC(PHOSPHITE,1)5V BL18		1



K	SCREW TAPTITE	6003-000010	BMH, +, B, M3, L10, ZPC(YEL)	2
J	SCREW TAPTITE	6003-000277	BH, +, B, M3, L12, ZPC(YEL)	4
H	FUNCTION PCB	BN69-00049A	FUNCTION PCB	1
G	IR SENSOR ASS'Y	BN69-00050A	REMOCON SENSING PCB	1
F	KNOB FUNCTION	BN64-00010A	ABS+PC,IV16,Ni PLATING	8
E	LENS REMOCON	BN64-00004A	PC VIOLET	1
D	LENS SIGNAL	BN67-00006A	ACRYL(PMMA), CLEAR	1
C	KNOB POWER	BN64-00011A	ABS HB CLEAR,SMP1000-1 SPRAY	1.001(S)
B	LENS-POWER	BN67-00005A	ACRYL(PMMA), CLEAR	1
A	COVER FRONT	BN72-00058A	ABS+PC,IV16,SMP1000-1 SPRAY	1.001(S)
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY

F	SCREW TAPTITE	6003-000122	BH, +, B, M4, L12, ZPC(YEL)	3
E	SCREW TAPTITE	6003-000277	BH, +, B, M3, L12, ZPC(YEL)	4
D	SPEAKER ASS'Y(R)	BN30-00002A	2FBD01, 8Ω, 2W, 104, L420 (2PIN)	1
C	SPEAKER ASS'Y(L)	BN30-00003A	2FBD01, 8Ω, 2W, 104, L250 (3PIN)	1
B	VIB-ABSOBING CLOTH	----------	L:135~140,W:9~12,T:MORE THAN 0.5	2
A	COVER GRILL	BN72-00060A	ABS+PC(PHOSPHITE,1) 5V BL18	1
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY

No	Part Name	Code No	Specification	REMARK
a	Knob Tilt	BN64-00012A	ABS+PC(PHOSPHITE,1)5V (BL18)	1
b	Spring Coil	BH61-00001C	SUS304,ø0.5	1
c	Stand Top	BN72-00062A	ABS+PC(PHOSPHITE,1)5V (BL18)	1
d	Screw Tap tite	6003-000031	BH,B,M4,L6,ZPC(YEL)	4
e	Hinge Ass'y(R)	BN61-00025A	SK-5,T2.0,Ni PLATING	1
f	Hinge Ass'y(L)	BN61-00026A	SK-5,T2.0,Ni PLATING	1
g	Screw Tap tite	6003-000031	BH,B,M4,L6,ZPC(YEL)	6
h	Holder Wire(R)	BN72-00064A	ABS+PC(PHOSPHITE,1)5V,BK07	1
i	Holder Wire(L)	BN72-00063A	ABS+PC(PHOSPHITE,1)5V,BK07	1
j	Stand Wire(R)	BN70-00082A	HSW4,ø5.0,Ni PLATING	1
k	Stand Bottom	BN71-00004A	AL(12S) DIECASTING	1
l	Felt-Stand	BH63-30103B	WOOL,FELT,T1.0,L4.0,W6	2
m	Screw Taptite	6003-000126	FH,+,2,M3,L10,ZPC(BLK)	4
n	Rubber Feet	BN61-00012A	PORON,T2.0,D3.5,BLACK	4

Memo

7 Electrical Parts List

7-1 Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
BD480	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD481	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD482	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD483	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD484	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD485	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD486	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD490	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD491	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD492	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD493	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD494	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD495	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
BD496	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
C100	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C101	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5	
C102	2409-001004	C-ORGANIC	100uF,20%,16V,LL,BK,8x10.5mm,3	
C103	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C104	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5	
C106	2409-001004	C-ORGANIC	100uF,20%,16V,LL,BK,8x10.5mm,3	
C107	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C108	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C109	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4	
C110	2409-001004	C-ORGANIC	100uF,20%,16V,LL,BK,8x10.5mm,3	
C111	2409-001004	C-ORGANIC	100uF,20%,16V,LL,BK,8x10.5mm,3	
C112	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C113	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C114	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C115	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C116	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C117	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C118	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C119	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C120	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C121	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C122	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C123	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C124	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C125	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C126	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C130	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C131	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C132	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C133	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C134	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
C135	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C136	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C137	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C138	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C139	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C140	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C141	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C142	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C143	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C144	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C145	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C146	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C147	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C148	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C149	2203-000239	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,2012	
C150	2203-000239	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,2012	
C151	2203-002085	C-CERAMIC,CHIP	56nF,10%,50V,X7R,TP,2012,	
C152	2203-002085	C-CERAMIC,CHIP	56nF,10%,50V,X7R,TP,2012,	
C153	2203-002085	C-CERAMIC,CHIP	56nF,10%,50V,X7R,TP,2012,	
C154	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C155	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C156	2402-000144	C-AL,SMD	3.3uF,20%,50V,GP,TP,4.3x4.3x5	
C157	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C158	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C159	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C160	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C161	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C162	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C163	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C164	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C165	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C166	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C167	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C168	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C169	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C170	2203-000389	C-CERAMIC,CHIP	0.015nF,5%,50V,NP0,TP,201	
C171	2203-000389	C-CERAMIC,CHIP	0.015nF,5%,50V,NP0,TP,201	
C172	2203-000389	C-CERAMIC,CHIP	0.015nF,5%,50V,NP0,TP,201	
C173	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C174	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C175	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C176	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C177	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C178	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C180	2409-001004	C-ORGANIC	100uF,20%,16V,LL,BK,8x10.5mm,3	
C202	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C203	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.	

Loc. No.	Code No.	Description	Specification	Remarks
C205	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C210	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C211	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	
C212	2203-000495	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,2012	
C213	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C214	2203-001143	C-CERAMIC,CHIP	68nF,10%,50V,X7R,TP,2012	
C215	2203-001143	C-CERAMIC,CHIP	68nF,10%,50V,X7R,TP,2012	
C216	2203-001143	C-CERAMIC,CHIP	68nF,10%,50V,X7R,TP,2012	
C217	2203-000989	C-CERAMIC,CHIP	47nF,10%,50V,X7R,TP,2012	
C218	2203-000142	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,2012	
C219	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C220	2203-000555	C-CERAMIC,CHIP	0.02nF,5%,50V,NP0,TP,2012	
C221	2203-000555	C-CERAMIC,CHIP	0.02nF,5%,50V,NP0,TP,2012	
C222	2203-000989	C-CERAMIC,CHIP	47nF,10%,50V,X7R,TP,2012	
C223	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C224	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C225	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C226	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C227	2203-000142	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,2012	
C228	2203-000839	C-CERAMIC,CHIP	0.39nF,5%,50V,NP0,TP,2012	
C229	2203-005189	C-CERAMIC,CHIP	680nF,+80-20%,16V,Y5V,TP,	
C230	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C231	2203-000989	C-CERAMIC,CHIP	47nF,10%,50V,X7R,TP,2012	
C232	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C233	2203-000142	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,2012	
C234	2203-000989	C-CERAMIC,CHIP	47nF,10%,50V,X7R,TP,2012	
C235	2203-005189	C-CERAMIC,CHIP	680nF,+80-20%,16V,Y5V,TP,	
C236	2203-000938	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,2012	
C237	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C238	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C239	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C240	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C241	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C242	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C243	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C244	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C245	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C246	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C247	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C248	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C250	2203-000839	C-CERAMIC,CHIP	0.39nF,5%,50V,NP0,TP,2012	
C251	2203-000142	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,2012	
C252	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C253	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C254	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C255	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C256	2203-000555	C-CERAMIC,CHIP	0.02nF,5%,50V,NP0,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
C257	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C258	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C259	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.	
C264	2203-000495	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,2012	
C265	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C266	2402-001100	C-AL,SMD	0.1uF,20%,50V,GP,TP,4.3x4.3x5.2	
C267	2203-000495	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,2012	
C268	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C272	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C273	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C275	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C276	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C278	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C279	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C280	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C281	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C282	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5	
C283	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C284	2402-000108	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	
C285	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C286	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C287	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C289	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	
C290	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C291	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C292	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP	
C293	2203-002442	C-CERAMIC,CHIP	330nF,+80-20%,25V,Y5V,TP	
C294	2203-001077	C-CERAMIC,CHIP	0.056nF,5%,50V,NP0,TP,201	
C300	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C301	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C302	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C303	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C304	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C305	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C306	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C307	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C308	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C309	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C310	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C311	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C312	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C313	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C314	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C315	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C316	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C317	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C318	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
C319	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C320	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C321	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C322	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C323	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C324	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C325	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C326	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C327	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C328	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C329	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C400	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C401	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C402	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C403	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C404	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C405	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C406	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C407	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C408	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C414	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C415	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C416	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C500	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C501	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C502	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C504	2203-000455	C-CERAMIC,CHIP	1nF,5%,50V,NP0,TP,2012	
C505	2203-000455	C-CERAMIC,CHIP	1nF,5%,50V,NP0,TP,2012	
C506	2203-000455	C-CERAMIC,CHIP	1nF,5%,50V,NP0,TP,2012	
C507	2404-000123	C-TA,CHIP	10uF,20%,16V,TP,6032,2.9mm	
C508	2404-000123	C-TA,CHIP	10uF,20%,16V,TP,6032,2.9mm	
C509	2404-000123	C-TA,CHIP	10uF,20%,16V,TP,6032,2.9mm	
C510	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C511	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C514	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
CFT301	2901-001112	FILTER-EMISMD	50V,1A,85pF,3.2x1.6x2.5m	
CL101	BN27-00002A	COIL-CHOKE(SMD)	47UH,20%,12*12*8MM,TP	
CL102	BN27-20001A	COIL-CHOKE	53.0UH,20%,DR10*5,TRAY	
CN101	3701-001129	CONNECTOR-DSUB	15P,3R,FEMALE,ANGLE,AUF	
CN102	3722-000117	JACK-DCPOWER	3P,3.5mm,AG,BLK,NO	
CN200	3722-001100	JACK-DIN	4P/2C,6mm,AG,BLK,NO	
CN201	3711-002046	CONNECTOR-HEADER	3WALL,12P,1R,1.25mm,SMD	
CN203	3722-001178	JACK-PIN	1P,3.4mm,SN,YEL,#16-22	
CN302	3711-001465	CONNECTOR-HEADER	NOWALL,3P,1R,2.54mm,STR	
CN404	3711-003938	CONNECTOR-HEADER	3WALL,15P,1R,1.25mm,SMD	
CN405	3711-001465	CONNECTOR-HEADER	NOWALL,3P,1R,2.54mm,STR	
CN406	3711-000057	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,ANGLE,S	
CN500	3711-003161	CONNECTOR-HEADER	BOX,20P,1R,1.25mm,ANGLE	
CN501	3711-002046	CONNECTOR-HEADER	3WALL,12P,1R,1.25mm,SMD	

Loc. No.	Code No.	Description	Specification	Remarks
D100	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA,T	
D101	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA,T	
D102	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D103	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D104	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D105	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D106	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D107	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D108	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D109	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D211	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D212	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D213	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D215	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D217	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D218	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
FT100	3301-001145	CORE-FERRITEBEAD	AB,4.5x1.6x1.6mm	
FT101	3301-001145	CORE-FERRITEBEAD	AB,4.5x1.6x1.6mm	
FT103	3301-001145	CORE-FERRITEBEAD	AB,4.5x1.6x1.6mm	
FT104	3301-001145	CORE-FERRITEBEAD	AB,4.5x1.6x1.6mm	
FT105	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT106	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT107	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT108	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT109	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT110	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT111	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT112	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT200	3301-001145	CORE-FERRITEBEAD	AB,4.5x1.6x1.6mm	
FT201	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT202	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT203	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT204	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT205	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT206	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT207	3301-001145	CORE-FERRITEBEAD	AB,4.5x1.6x1.6mm	
FT208	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT301	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT302	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT402	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT500	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT501	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT502	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT503	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT504	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT505	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT506	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	

Loc. No.	Code No.	Description	Specification	Remarks
FT507	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT508	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT509	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT510	2901-001113	FILTER-EMISMD	25V,0.2A,35pF,2x1.25x1.6	
FT511	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT512	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT513	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT514	2901-001114	FILTER-EMISMD	25VDC,2.0ADC,100nF,3.2x	
FT515	3301-001145	CORE-FERRITEBEAD	AB,4.5x1.6x1.6mm	
IC100	1203-001465	IC-POSI.ADJUSTREG.	317,TO-263,3P,PLAST	
IC101	1203-001293	IC-POSI.FIXEDREG.	033,T0-252,3P,6.5MIL,	
IC103	1203-001831	IC-SWITCHVOL.REG.	2676,TO-263,7P,PLAST	
IC104	1203-001830	IC-SWITCHVOL.REG.	2676,TO-263,7P,PLAST	
IC105	1103-001164	IC-EEPROM	24LC21A,128X8BIT,SOP,8P,150MIL	
IC106	0801-002267	IC-CMOSLOGIC	74LCX14,SOIC,14P,150MIL,	
IC107	1002-001179	IC-A/DCONVERTER	AD9884,8BIT,QFP,128P,1	
IC108	0801-002394	IC-CMOSLOGIC	74LCX32,ORGATE,SOIC,14P,150	
IC109	1205-001713	IC-MULTIPLIER	ICS502M,SOIC,8P,150MIL,PLA	
IC110	1204-000292	IC-VIDEOSYSTEM	LM1881M,SOP,8P,150MIL,PLA	
IC111	1205-001713	IC-MULTIPLIER	ICS502M,SOIC,8P,150MIL,PLA	
IC112	1203-001109	IC-VOL.DETECTOR	7045,SOT-89,3P,PLASTI	
IC200	1001-001109	IC-ANALOGSWITCH	FST3125M,BUSSWITCH&CMOS,	
IC202	1001-000191	IC-VIDEOSWITCH	NJM2248M,CMOS,SOP,8P,SI	
IC204	1205-001754	IC-INTERFACE	STV6400D,SOP,20P,300MIL,PLA	
IC205	1204-001388	IC-DECODER	Z86129,SOP,18P,PLASTIC,6.0V	
IC206	1205-001776	IC-MIXER	NJM2509V,SSOP,8P,PLASTIC,7V,2	
IC207	1203-001488	IC-POSI.FIXEDREG.	7805,T0-252,3P,PLAS	
IC301	1003-001242	IC-LCDCONTROLLER	PW264P,TBGA,352P,1378M	
IC401	1103-001023	IC-EEPROM	24C08,1028x8BIT,SOP,8P,150MIL,	
IC402	1107-001177	IC-FLASHMEMORY	29W400,512KX8OR256KX16BIT	
IC501	1205-001740	IC-TRANSMITTER	DS90C385,TSSOP,56P,240MIL	
IC502	1002-001177	IC-D/ACONVERTER	AD5301B,8BIT,SOT-23,6P,6	
IC503	0904-001009	IC-I/OSUPPORTCHIP	8574A,SOP,16P,300MIL	
IC504	1204-001598	IC-VIDEOPROCESS	VPC3230D-A0,QFP,80P,PL	
L199	2703-001070	INDUCTOR-SMD	100uH,10%,4.5x3.2x3.2mm	
L201	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L202	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L203	2703-001070	INDUCTOR-SMD	100uH,10%,4.5x3.2x3.2mm	
L204	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L205	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L206	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L301	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
L302	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
L303	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
L304	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
L305	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
L306	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	

Loc. No.	Code No.	Description	Specification	Remarks
L400	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L401	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L403	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
MP1.2	BN41-00018A	P.C.B-MAIN	ML15NS,FR4	
Q101	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q102	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q103	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q201	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q202	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q203	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q204	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q208	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q400	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q401	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
Q402	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q403	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q404	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q405	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q406	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q500	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
R101	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R103	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R104	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R106	2007-000282	R-CHIP	100KOHM,5%,1/10W,DA,TP,2012	
R107	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R108	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R109	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R110	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R111	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R112	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R113	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R114	2007-000572	R-CHIP	220OHM,5%,1/10W,DA,TP,2012	
R115	2007-000572	R-CHIP	220OHM,5%,1/10W,DA,TP,2012	
R116	2007-000686	R-CHIP	3.3KOHM,5%,1/10W,DA,TP,2012	
R117	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R118	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R119	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R120	2007-000241	R-CHIP	1.5KOHM,5%,1/10W,DA,TP,2012	
R121	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R122	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R123	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R124	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R125	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R126	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R127	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R128	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R129	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
R130	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R131	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R132	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R133	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R134	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R135	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R136	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R137	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R139	2007-000572	R-CHIP	220OHM,5%,1/10W,DA,TP,2012	
R141	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R142	2007-001198	R-CHIP	820OHM,1%,1/10W,DA,TP,2012	
R143	2007-000023	R-CHIP	120OHM,5%,1/10W,DA,TP,2012	
R144	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R145	2007-001113	R-CHIP	680KOHM,5%,1/10W,DA,TP,2012	
R147	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R148	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R150	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R151	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R152	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R153	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R154	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R155	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R156	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R157	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R158	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R159	2007-000282	R-CHIP	100KOHM,5%,1/10W,DA,TP,2012	
R160	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R162	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R200	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R201	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R202	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R203	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R204	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R205	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R206	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R207	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R208	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R209	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R210	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R211	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R212	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R213	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R214	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R215	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R216	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R217	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R218	2007-000593	R-CHIP	22OHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
R219	2007-000409	R-CHIP	15KOHM,5%,1/10W,DA,TP,2012	
R220	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R221	2007-000586	R-CHIP	22KOHM,5%,1/10W,DA,TP,2012	
R222	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R223	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R224	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R225	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R226	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R227	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R228	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R229	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R230	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R231	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R232	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R233	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R234	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R235	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R236	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R237	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R238	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R239	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R240	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R241	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R242	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R243	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R244	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R245	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R246	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R247	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R248	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R249	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R250	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R251	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R252	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R253	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R254	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R255	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R256	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R258	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R259	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R260	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R261	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R262	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R266	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R267	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R268	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R269	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
R270	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R271	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R272	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R273	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R274	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R275	2007-000308	R-CHIP	10OHM,5%,1/10W,DA,TP,2012	
R276	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R277	2007-000028	R-CHIP	39OHM,5%,1/10W,DA,TP,2012	
R278	2007-000409	R-CHIP	15KOHM,5%,1/10W,DA,TP,2012	
R279	2007-001118	R-CHIP	680OHM,5%,1/10W,DA,TP,2012	
R280	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R281	2007-000981	R-CHIP	5.6KOHM,5%,1/10W,DA,TP,2012	
R282	2007-000327	R-CHIP	11KOHM,1%,1/10W,DA,TP,2012	
R283	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R284	2007-000380	R-CHIP	13KOHM,5%,1/10W,DA,TP,2012	
R286	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R287	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R288	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R289	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R290	2007-000355	R-CHIP	12KOHM,5%,1/10W,DA,TP,2012	
R291	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R292	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R293	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R294	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R295	2007-001213	R-CHIP	82OHM,1%,1/10W,DA,TP,2012	
R296	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R297	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R298	2007-000572	R-CHIP	220OHM,5%,1/10W,DA,TP,2012	
R299	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R300	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R301	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R302	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R303	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R304	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R305	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R306	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R309	2007-000593	R-CHIP	22OHM,5%,1/10W,DA,TP,2012	
R310	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R311	2007-000593	R-CHIP	22OHM,5%,1/10W,DA,TP,2012	
R312	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R313	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R314	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R315	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R316	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R317	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R318	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R319	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
R320	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R321	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R322	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R323	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R324	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R325	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R326	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R327	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R328	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R329	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R330	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R331	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R332	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R333	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R334	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R335	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R336	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R337	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R338	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R339	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R340	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R341	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R342	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R343	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R344	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R345	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R346	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R347	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R348	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R349	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R350	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R351	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R352	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R353	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R354	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R355	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R356	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R357	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R358	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R359	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R360	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R361	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R362	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R363	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R364	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R365	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R366	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
R402	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R405	2007-000686	R-CHIP	3.3KOHM,5%,1/10W,DA,TP,2012	
R407	2007-000766	R-CHIP	330OHM,5%,1/10W,DA,TP,2012	
R409	2007-000766	R-CHIP	330OHM,5%,1/10W,DA,TP,2012	
R410	2007-000822	R-CHIP	390OHM,5%,1/10W,DA,TP,2012	
R411	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R412	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R413	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R414	2007-000766	R-CHIP	330OHM,5%,1/10W,DA,TP,2012	
R415	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R416	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R418	2007-000593	R-CHIP	22OHM,5%,1/10W,DA,TP,2012	
R419	2007-000593	R-CHIP	22OHM,5%,1/10W,DA,TP,2012	
R421	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R425	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R426	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R429	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R430	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R431	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R432	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R433	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R434	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R435	2007-000766	R-CHIP	330OHM,5%,1/10W,DA,TP,2012	
R436	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R437	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R438	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R439	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R442	2007-000766	R-CHIP	330OHM,5%,1/10W,DA,TP,2012	
R443	2007-000766	R-CHIP	330OHM,5%,1/10W,DA,TP,2012	
R444	2007-000766	R-CHIP	330OHM,5%,1/10W,DA,TP,2012	
R445	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R446	2007-000766	R-CHIP	330OHM,5%,1/10W,DA,TP,2012	
R447	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R500	2007-000033	R-CHIP	0OHM,5%,1/8W,DA,TP,3216	
R501	2007-000282	R-CHIP	100KOHM,5%,1/10W,DA,TP,2012	
R502	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R505	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R506	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R507	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R508	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R509	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R510	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R511	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R512	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R513	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R520	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R570	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
R901	2007-000572	R-CHIP	220OHM,5%,1/10W,DA,TP,2012	
R902	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R903	2007-000355	R-CHIP	12KOHM,5%,1/10W,DA,TP,2012	
R904	2007-000304	R-CHIP	10MOHM,5%,1/10W,DA,TP,2012	
R905	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R907	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R908	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R909	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R910	2007-000282	R-CHIP	100KOHM,5%,1/10W,DA,TP,2012	
R911	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R912	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R913	2007-001166	R-CHIP	75OHM,5%,1/10W,DA,TP,2012	
R914	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R915	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R916	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
RA213	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA214	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA215	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA216	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA301	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA302	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA303	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA304	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA305	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
RA306	2011-000585	R-NETWORK	47ohm,5%,63mW,L,CHIP,8P,TP	
U26	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.	
X141	2801-003844	CRYSTAL-SMD	19.5MHz,30ppm,28-AAN,20pF,50	
X200	2801-003846	CRYSTAL-SMD	20.25MHz,30ppm,28-AAN,20pF,5	

7-2 Misc PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
C700	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C701	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C702	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.	
C703	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C704	2203-000455	C-CERAMIC,CHIP	1nF,5%,50V,NP0,TP,2012	
C705	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C706	2203-000455	C-CERAMIC,CHIP	1nF,5%,50V,NP0,TP,2012	
C707	2402-001019	C-AL,SMD	2.2uF,20%,35V,GP,TP,3.3x3.3x5	
C708	2203-002392	C-CERAMIC,CHIP	220nF,+80-20%,50V,Y5V,TP,	
C709	2402-001019	C-AL,SMD	2.2uF,20%,35V,GP,TP,3.3x3.3x5.	
C710	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	
C711	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C712	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C713	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C714	2203-000260	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,2012	
C715	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C716	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5	
C717	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C718	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4	
C719	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C720	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C800	2203-002442	C-CERAMIC,CHIP	330nF,+80-20%,25V,Y5V,TP,	
C801	2203-002442	C-CERAMIC,CHIP	330nF,+80-20%,25V,Y5V,TP,	
C802	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C803	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C804	2203-002442	C-CERAMIC,CHIP	330nF,+80-20%,25V,Y5V,TP,	
C805	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C806	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C807	2203-002442	C-CERAMIC,CHIP	330nF,+80-20%,25V,Y5V,TP,	
C808	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C809	2402-000144	C-AL,SMD	3.3uF,20%,50V,GP,TP,4.3x4.3x5	
C810	2203-000784	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,2012	
C811	2203-002442	C-CERAMIC,CHIP	330nF,+80-20%,25V,Y5V,TP,	
C812	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C813	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C814	2203-001077	C-CERAMIC,CHIP	0.056nF,5%,50V,NP0,TP,201	
C815	2203-000938	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,2012	
C816	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C817	2203-000142	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,2012	
C818	2203-001077	C-CERAMIC,CHIP	0.056nF,5%,50V,NP0,TP,201	
C819	2203-001077	C-CERAMIC,CHIP	0.056nF,5%,50V,NP0,TP,201	
C820	2401-001363	C-AL	470uF,20%,16V,GP,TP,10x12.5,5	
C821	2203-001391	C-CERAMIC,CHIP	150nF,10%,25V,X7R,TP,2012	
C822	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C823	2203-000938	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,2012	
C824	2203-000142	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,2012	
C825	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	

Loc. No.	Code No.	Description	Specification	Remarks
C826	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	
C828	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C829	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C830	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C831	2203-000938	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,2012	
C832	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C834	2203-000938	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,2012	
C835	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	
C836	2401-001363	C-AL	470uF,20%,16V,GP,TP,10x12.5,5	
C837	2203-001391	C-CERAMIC,CHIP	150nF,10%,25V,X7R,TP,2012	
C838	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C839	2203-000716	C-CERAMIC,CHIP	3.3nF,10%,50V,X7R,TP,2012	
C840	2203-000701	C-CERAMIC,CHIP	0.002nF,0.25pF,50V,NP0,TP	
C841	2203-000701	C-CERAMIC,CHIP	0.002nF,0.25pF,50V,NP0,TP	
C842	2203-000455	C-CERAMIC,CHIP	1nF,5%,50V,NP0,TP,2012	
C843	2203-000455	C-CERAMIC,CHIP	1nF,5%,50V,NP0,TP,2012	
C844	2305-000196	C-FILM,MPEF	150nF,5%,63V,TP,5mm	
C845	2203-000142	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,2012	
C846	2203-000595	C-CERAMIC,CHIP	0.22nF,5%,50V,NP0,TP,2012	
C847	2203-000989	C-CERAMIC,CHIP	47nF,10%,50V,X7R,TP,2012	
C848	2203-000938	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,2012	
C849	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C852	2305-000196	C-FILM,MPEF	150nF,5%,63V,TP,5mm	
C853	2203-000716	C-CERAMIC,CHIP	3.3nF,10%,50V,X7R,TP,2012	
C854	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C855	2203-000716	C-CERAMIC,CHIP	3.3nF,10%,50V,X7R,TP,2012	
C857	2203-002442	C-CERAMIC,CHIP	330nF,+80-20%,25V,Y5V,TP,	
C862	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C863	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C864	2402-000108	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	
C865	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C866	2402-000108	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	
C867	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C868	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
C869	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C870	2402-000108	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	
C871	2203-000204	C-CERAMIC,CHIP	100nF,10%,25V,X7R,TP,2012	
CIS	BN70-00073A	SHIELD-TUNER	ML15NS,SPTE,T0.5	
CIS	BN70-00074A	SHIELD-IF	ML15NS,SPTE,T0.5	
CN201+CN807	BN39-00047A	CBF-HARNESS	100MM,100MM,BLU/WHT/GRY,UL10	
CN500+PAN	BN39-00036A	CBF-HARNESS	20P,150MM,BLU/GRY/WHT,UL1571	
CN501+INV	BN39-00047A	CBF-HARNESS	100MM,100MM,BLU/WHT/GRY,UL10	
CN706	BN40-00001A	RF-MODULATOR	TECC9092PD27A(S),PALB/G,	
CN707	BN39-00069A	CABLE-RCACOAXIAL	170MM,UL10245,RCA	
CN800	3722-001055	JACK-PHONE	5P/2C,3.6mm,AG,BLK,#16-22	
CN801	3722-001177	JACK-PIN	1P,3.4mm,SN,RED,#16-22	
CN802	3722-001176	JACK-PIN	1P,3.4mm,SN,WHT,#16-22	

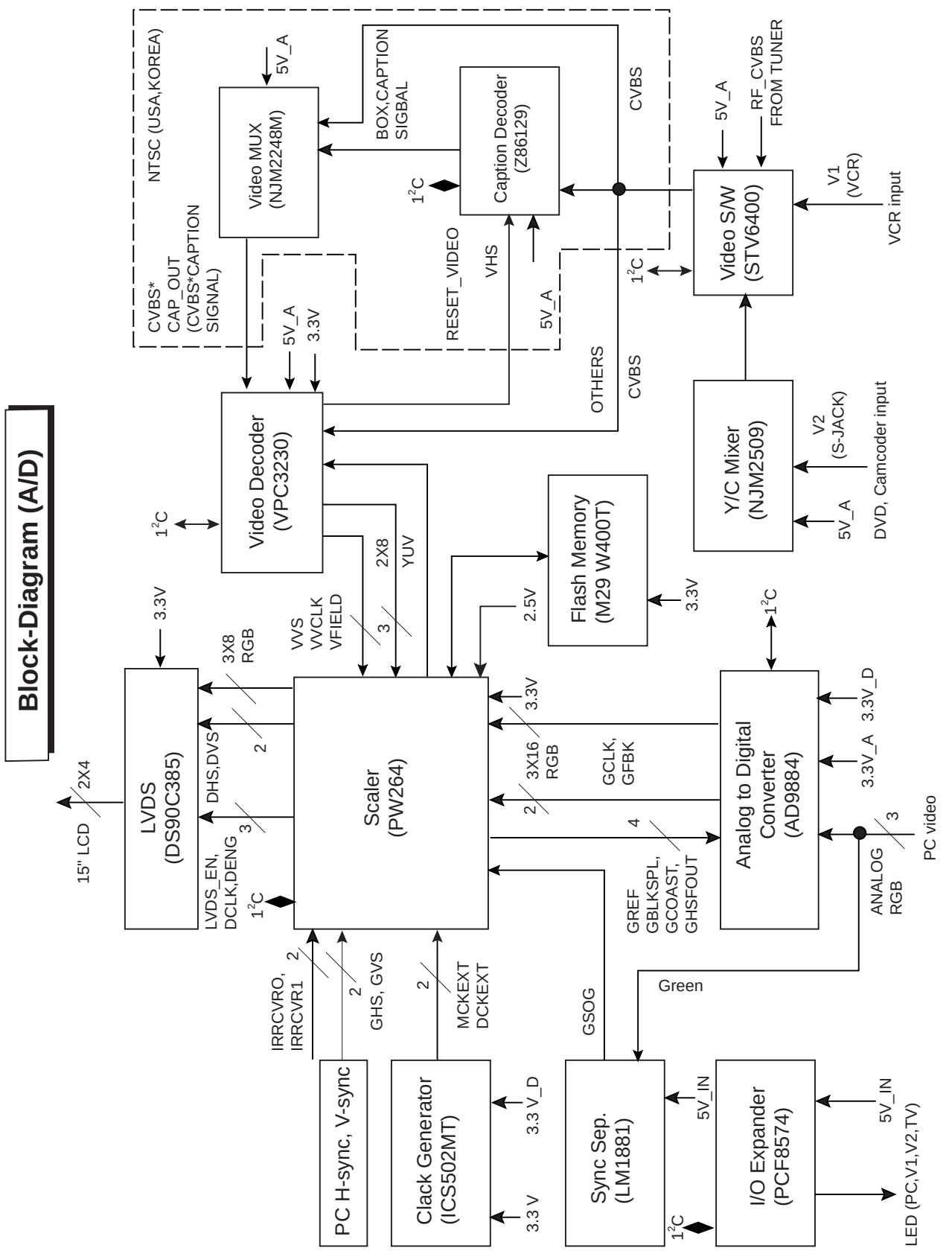
Loc. No.	Code No.	Description	Specification	Remarks
CN803	3711-004386	CONNECTOR-HEADER	BOX,3P,1R,2mm,ANGLE,SN	
CN804	3722-001055	JACK-PHONE	5P/2C,3.6mm,AG,BLK,#16-22	
CN805	3711-004270	CONNECTOR-HEADER	BOX,2P,1R,2MM,ANGLE,SN	
CN806	3722-000143	JACK-PHONE	1P(VER),3.4mm,AG,BLK,NO	
CN807	3711-002046	CONNECTOR-HEADER	3WALL,12P,1R,1.25mm,SMD	
D700	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D701	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D702	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D703	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D704	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT	
D800	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW	
D801	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW	
D802	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW	
D803	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW	
D804	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW	
D805	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW	
D806	0403-000277	DIODE-ZENER	MMBZ5226B,3.3V,5%,225mW,SOT	
D808	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW	
D809	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW	
FT700	2903-000181	FILTER-CERAMIC	TR,5.5MHz,-,TP,TPS5.5	
FT701	2903-000129	FILTER-CERAMIC	TR,4.5M/4.72MHZ,-,TP,	
IC700	2904-001203	FILTER-SAWAV	38.9MHz,SIP5K,ST,16.9dB,B/G	
IC701	2904-001143	FILTER-SAWAV	38.9MHz,SIP5K,TP,18dB,B/G,L	
IC702	2904-001195	FILTER-SAWAV	38.9MHz,SIP5K,TP,17.9dB,B/G	
IC703	1204-001161	IC-IFCIRCUIT	TDA9810T,SOP,24P,300MIL,PLA	
IC704	1002-001185	IC-D/ACONVERTER	TDA8444T,6BIT,SOP,16P,30	
IC800	1201-001201	IC-POWERAMP	7268,DIP,16P,335MIL,DUAL,32d	
IC801	1204-001567	IC-SOUNDPROCESSOR	MSP3440G,QFP,80P,PLA	
IC803	1203-001488	IC-POSI.FIXEDREG.	7805,T0-252,3P,PLAS	
IC804	1203-001488	IC-POSI.FIXEDREG.	7805,T0-252,3P,PLAS	
IC805	1203-001816	IC-POSI.FIXEDREG.	78M08,TO-252,3P,PLAS	
IC806	1203-001815	IC-POSI.FIXEDREG.	78M09,TO-252,3P,PLAS	
L700	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L701	2701-000101	INDUCTOR-AXIAL	1.2uH,10%,2.5x3.4mm	
L702	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L703	2701-000114	INDUCTOR-AXIAL	10uH,10%,2.5x3.4mm	
L704	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L705	2701-000114	INDUCTOR-AXIAL	10uH,10%,2.5x3.4mm	
L706	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L707	2701-000120	INDUCTOR-AXIAL	12uH,10%,2.5x3.4mm	
L708	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L709	2701-000299	INDUCTOR-AXIAL	13UH,10%,2.5X3.4MM	
L800	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L801	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L802	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L803	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
MP1.0	BN41-00025A	PCB-SUB	ML17NS,FR-4,1.6	

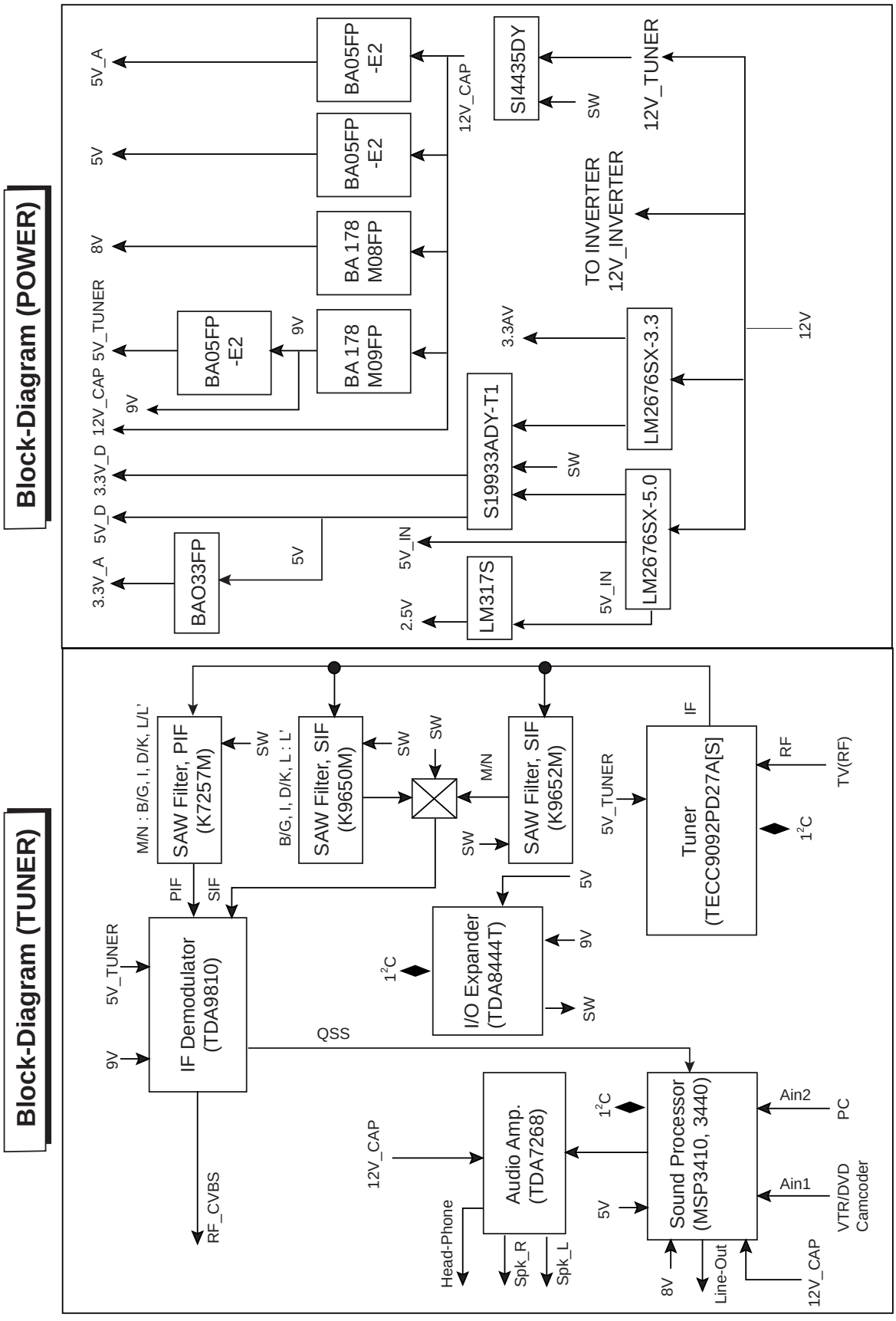
Loc. No.	Code No.	Description	Specification	Remarks
Q700	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q701	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q702	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q703	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q704	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q705	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q706	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q707	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q708	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
Q709	0501-000002	TR-SMALLSIGNAL	KSA812,PNP,150mW,SOT-23,T	
Q801	0501-002080	TR-SMALLSIGNAL	2SC2412K,NPN,200mW,SOT-2	
R700	2007-000241	R-CHIP	1.5KOHM,5%,1/10W,DA,TP,2012	
R701	2007-000241	R-CHIP	1.5KOHM,5%,1/10W,DA,TP,2012	
R702	2007-000241	R-CHIP	1.5KOHM,5%,1/10W,DA,TP,2012	
R703	2007-000493	R-CHIP	2.2KOHM,5%,1/10W,DA,TP,2012	
R704	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R705	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R706	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R707	2007-000586	R-CHIP	22KOHM,5%,1/10W,DA,TP,2012	
R708	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R709	2007-000030	R-CHIP	560OHM,5%,1/10W,DA,TP,2012	
R710	2007-000401	R-CHIP	150OHM,5%,1/10W,DA,TP,2012	
R711	2007-000493	R-CHIP	2.2KOHM,5%,1/10W,DA,TP,2012	
R712	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R713	2007-000355	R-CHIP	12KOHM,5%,1/10W,DA,TP,2012	
R714	2007-001039	R-CHIP	56KOHM,5%,1/10W,DA,TP,2012	
R715	2007-000493	R-CHIP	2.2KOHM,5%,1/10W,DA,TP,2012	
R716	2007-000941	R-CHIP	47KOHM,5%,1/10W,DA,TP,2012	
R717	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R718	2007-000586	R-CHIP	22KOHM,5%,1/10W,DA,TP,2012	
R719	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R721	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R722	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R723	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R724	2007-000586	R-CHIP	22KOHM,5%,1/10W,DA,TP,2012	
R725	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R726	2007-000355	R-CHIP	12KOHM,5%,1/10W,DA,TP,2012	
R727	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R728	2007-000327	R-CHIP	11KOHM,1%,1/10W,DA,TP,2012	
R729	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R730	2007-000026	R-CHIP	200OHM,5%,1/10W,DA,TP,2012	
R731	2007-000947	R-CHIP	47OHM,5%,1/10W,DA,TP,2012	
R732	2007-000572	R-CHIP	220OHM,5%,1/10W,DA,TP,2012	
R733	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R734	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R735	2007-000642	R-CHIP	270OHM,5%,1/10W,DA,TP,2012	
R736	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description	Specification	Remarks
R737	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	
R738	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R739	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R740	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R741	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R742	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R743	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R744	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R745	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R746	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R747	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R800	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R801	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R802	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R803	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R804	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R805	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R806	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R807	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R808	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R809	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R811	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R812	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R813	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R814	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R815	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R816	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R817	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	
R818	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R820	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R821	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R822	2007-001118	R-CHIP	680OHM,5%,1/10W,DA,TP,2012	
R824	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R825	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R826	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R827	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R828	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R829	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
R832	2007-000401	R-CHIP	150OHM,5%,1/10W,DA,TP,2012	
R834	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R835	2007-000290	R-CHIP	100OHM,5%,1/10W,DA,TP,2012	
R836	2007-000401	R-CHIP	150OHM,5%,1/10W,DA,TP,2012	
R837	2007-000872	R-CHIP	4.7KOHM,5%,1/10W,DA,TP,2012	
R838	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R845	2007-000881	R-CHIP	4.7OHM,5%,1/10W,DA,TP,2012	
R846	2007-000881	R-CHIP	4.7OHM,5%,1/10W,DA,TP,2012	
R847	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	

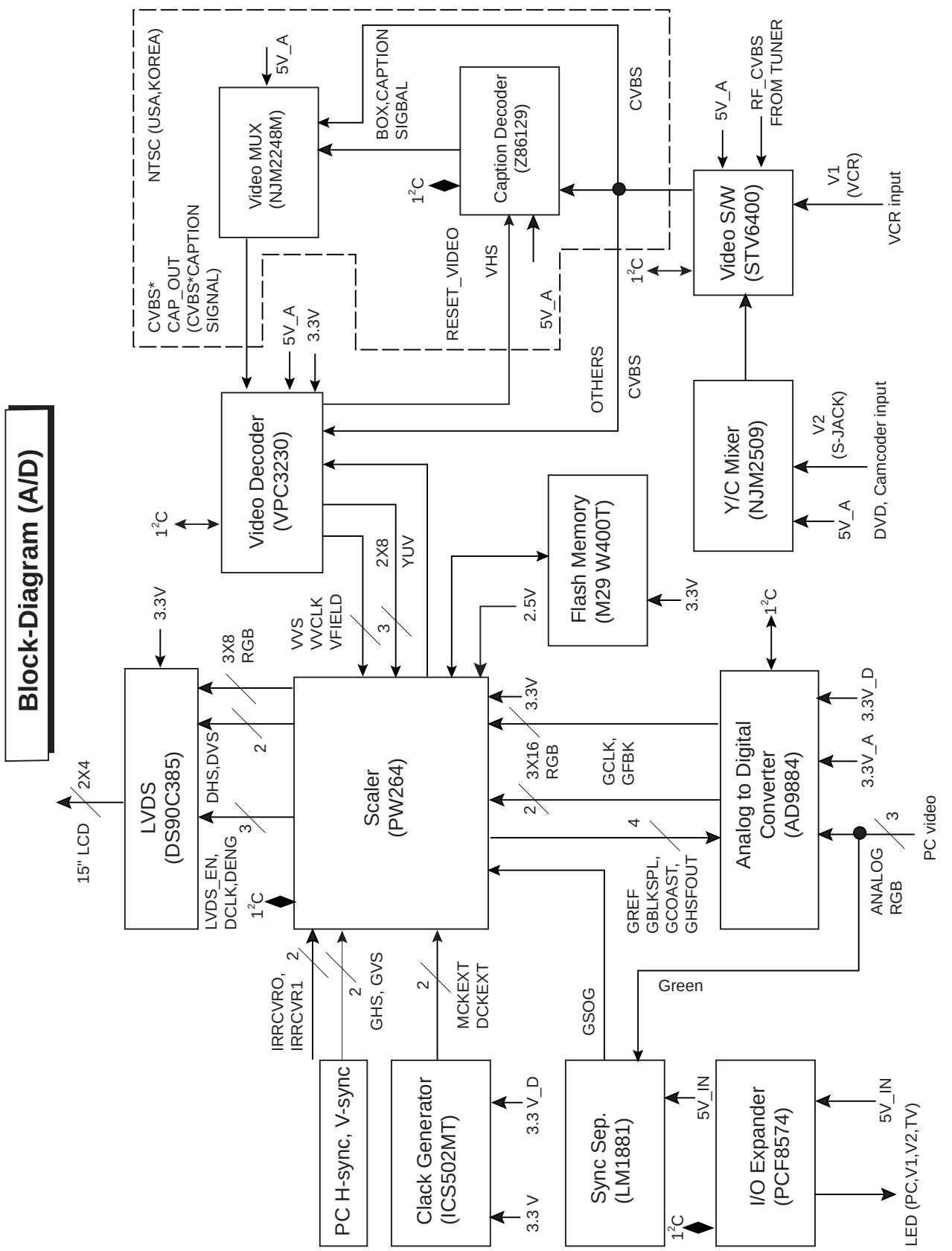
Loc. No.	Code No.	Description	Specification	Remarks
R848	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R849	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R850	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R851	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R852	2003-000514	R-METALOXIDE(S)	15ohm,5%,2W,AA,TP,4x12mm	
R853	2003-000797	R-METALOXIDE(S)	8.2ohm,5%,3W,AA,TP,6x16m	
R854	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R855	2007-000029	R-CHIP	0OHM,5%,1/10W,DA,TP,2012	
R856	2007-001198	R-CHIP	820OHM,1%,1/10W,DA,TP,2012	
T700	BN27-00003A	COIL-ETC	M11,MOLD	
X800	2801-003843	CRYSTAL-SMD	18.432MHz,30ppm,28-AAN,20pF	

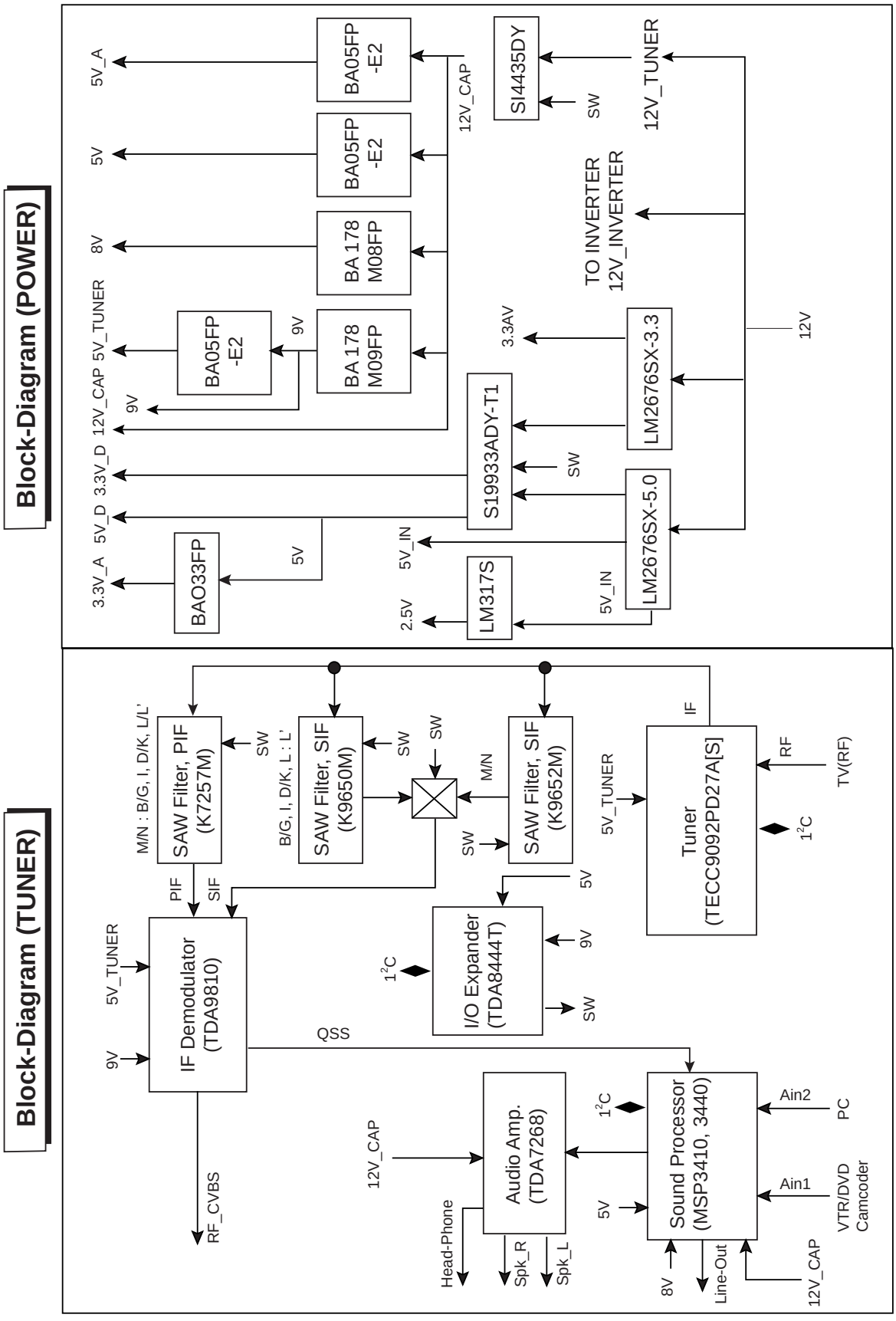
8 Block Diagram




Block-Diagram (POWER)
Block-Diagram (TUNER)
5V_A
5V
8V
5V_TUNER
12V_CAP
9V
3.3V_D
5V_D
3.3V_A
2.5V
5V_IN
3.3AV
SW
12V_TUNER
TO INVERTER
12V_INVERTER
12V
BA05FP -E2
BA 178 M08FP
BA 178 M09FP
BAO33FP
S19933ADY-T1
LM2676SX-3.3
LM2676SX-5.0
LM317S
SI4435DY
M/N : B/G, I, D/K, L/L'
B/G, I, D/K, L : L'
SAW Filter, PIF (K7257M)
SAW Filter, SIF (K9650M)
SAW Filter, SIF (K9652M)
PIF
SIF
IF
RF
TV(RF)
I2C
M/N
IF Demodulator (TDA9810)
I/O Expander (TDA8444T)
Tuner (TECC9092PD27A[S])
QSS
RF_CVBS
Audio Amp. (TDA7268)
Sound Processor (MSP3410, 3440)
Head-Phone
Spk_R
Spk_L
Ain1
Ain2
PC
VTR/DVD
Camcoder
Line-Out

8 Block Diagram




Block-Diagram (POWER)
Block-Diagram (TUNER)
5V_A
5V
8V
5V_TUNER
12V_CAP
9V
3.3V_D
5V_D
3.3V_A
2.5V
5V_IN
3.3AV
SW
12V_TUNER
TO INVERTER
12V_INVERTER
12V
BA05FP -E2
BA 178 M08FP
BA 178 M09FP
BAO33FP
S19933ADY-T1
LM2676SX-3.3
LM2676SX-5.0
LM317S
SI4435DY
M/N : B/G, I, D/K, L/L'
B/G, I, D/K, L : L'
SAW Filter, PIF (K7257M)
SAW Filter, SIF (K9650M)
SAW Filter, SIF (K9652M)
PIF
SIF
IF
RF
TV(RF)
I2C
M/N
IF Demodulator (TDA9810)
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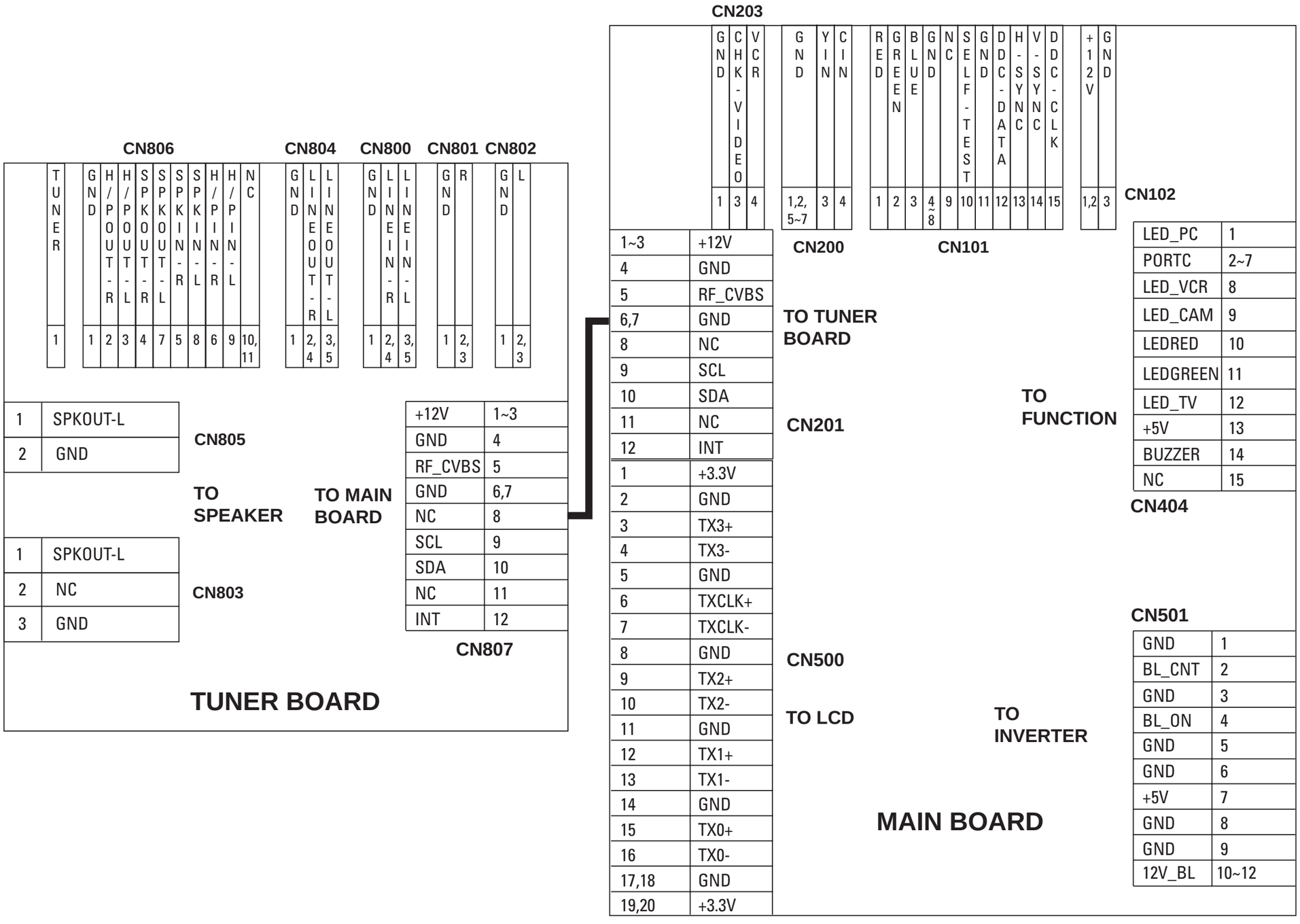
Tuner (TECC9092PD27A[S])
QSS
RF_CVBS
Audio Amp. (TDA7268)
Sound Processor (MSP3410, 3440)
Head-Phone
Spk_R
Spk_L
Ain1
Ain2
PC
VTR/DVD
Camcoder
Line-Out

9 Wiring Diagram



1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1): **WARNING: Do not use an isolation transformer during this test.** Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

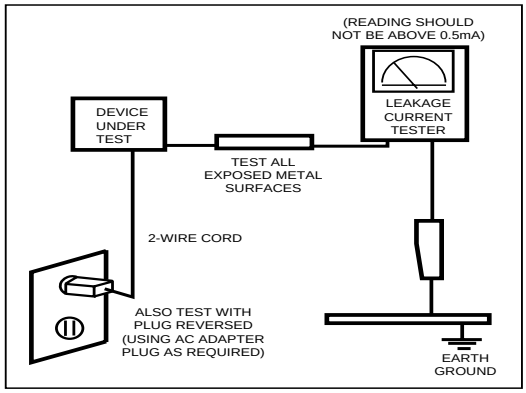

(READING SHOULD NOT BE ABOVE 0.5mA)
LEAKAGE CURRENT TESTER
DEVICE UNDER TEST
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and / or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: **An electrolytic capacitor installed with the wrong polarity might explode.**

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

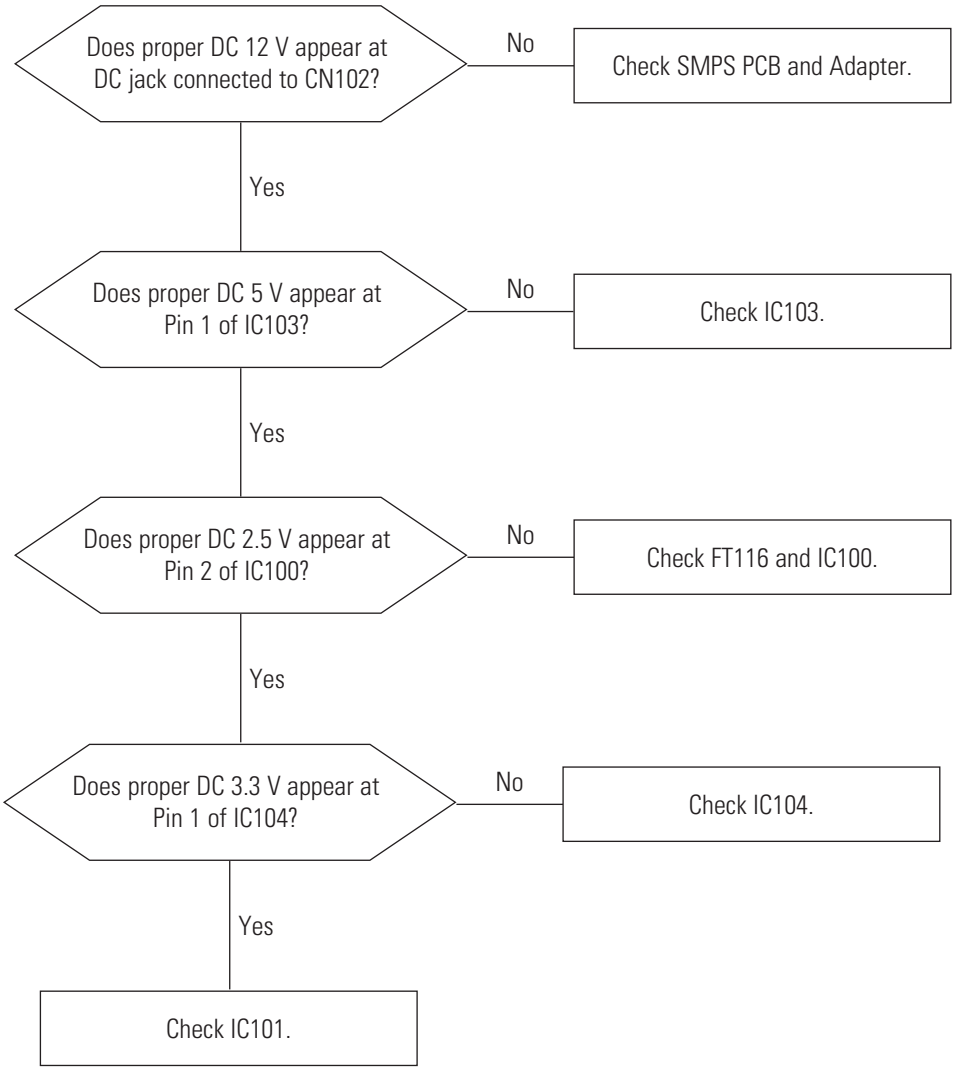
Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

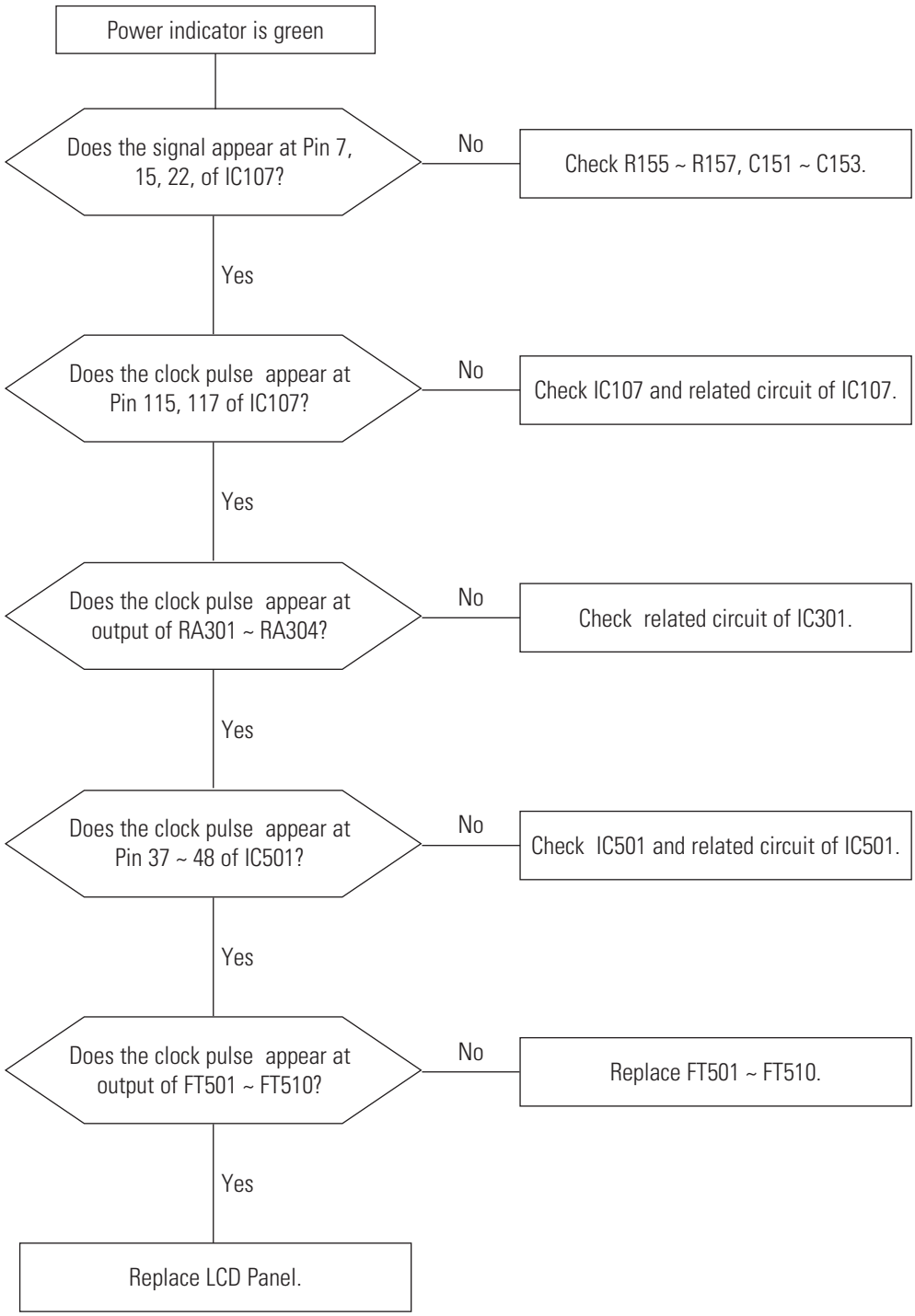
   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

5 Troubleshooting

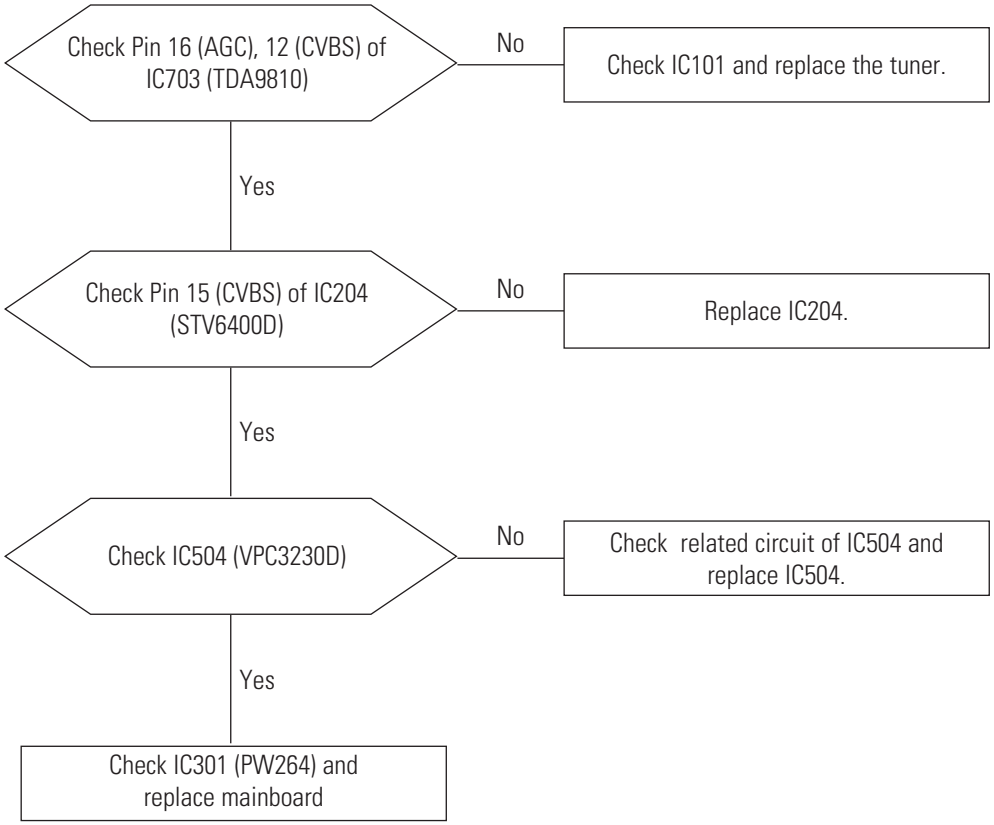
5-1 No Power


Does proper DC 12 V appear at DC jack connected to CN102?
No
Check SMPS PCB and Adapter.
Yes
Does proper DC 5 V appear at Pin 1 of IC103?
No
Check IC103.
Yes
Does proper DC 2.5 V appear at Pin 2 of IC100?
No
Check FT116 and IC100.
Yes
Does proper DC 3.3 V appear at Pin 1 of IC104?
No
Check IC104.
Yes
Check IC101.

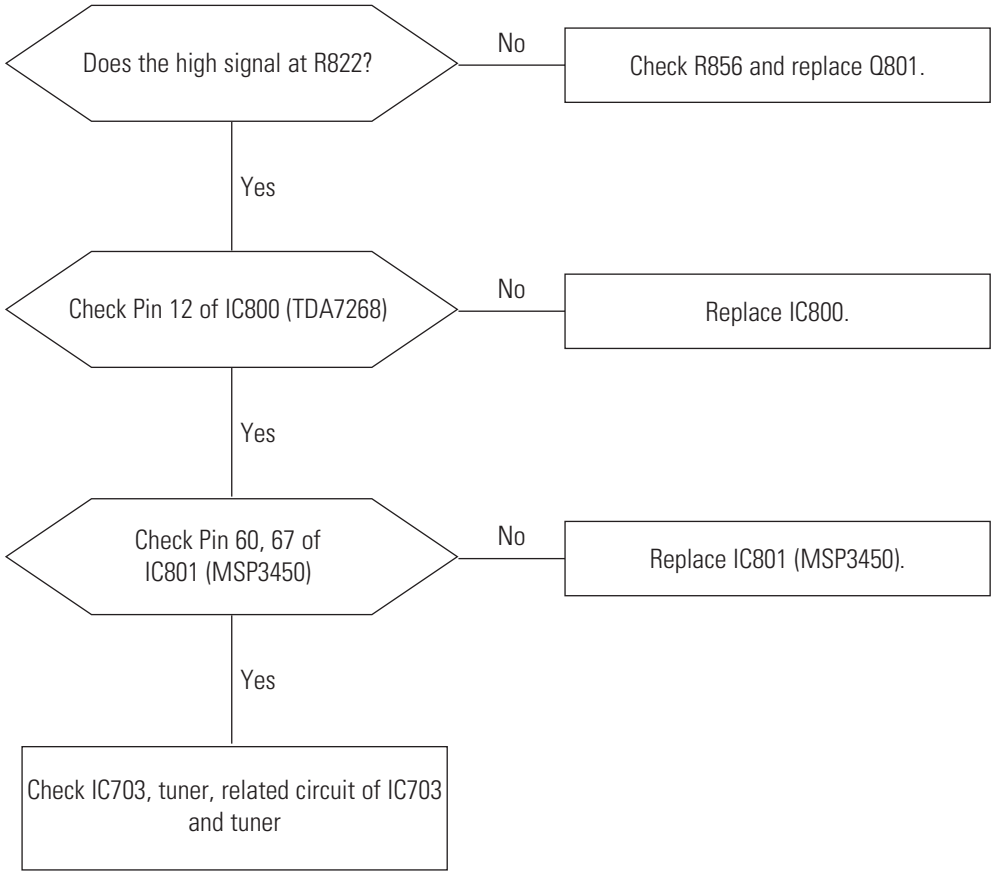
5-2 No Video (PC Signal)


Power indicator is green
Does the signal appear at Pin 7, 15, 22, of IC107?
No
Check R155 ~ R157, C151 ~ C153.
Yes
Does the clock pulse appear at Pin 115, 117 of IC107?
No
Check IC107 and related circuit of IC107.
Yes
Does the clock pulse appear at output of RA301 ~ RA304?
No
Check related circuit of IC301.
Yes
Does the clock pulse appear at Pin 37 ~ 48 of IC501?
No
Check IC501 and related circuit of IC501.
Yes
Does the clock pulse appear at output of FT501 ~ FT510?
No
Replace FT501 ~ FT510.
Yes
Replace LCD Panel.

5-3 No Picture (TV, Video 1, Video 2)



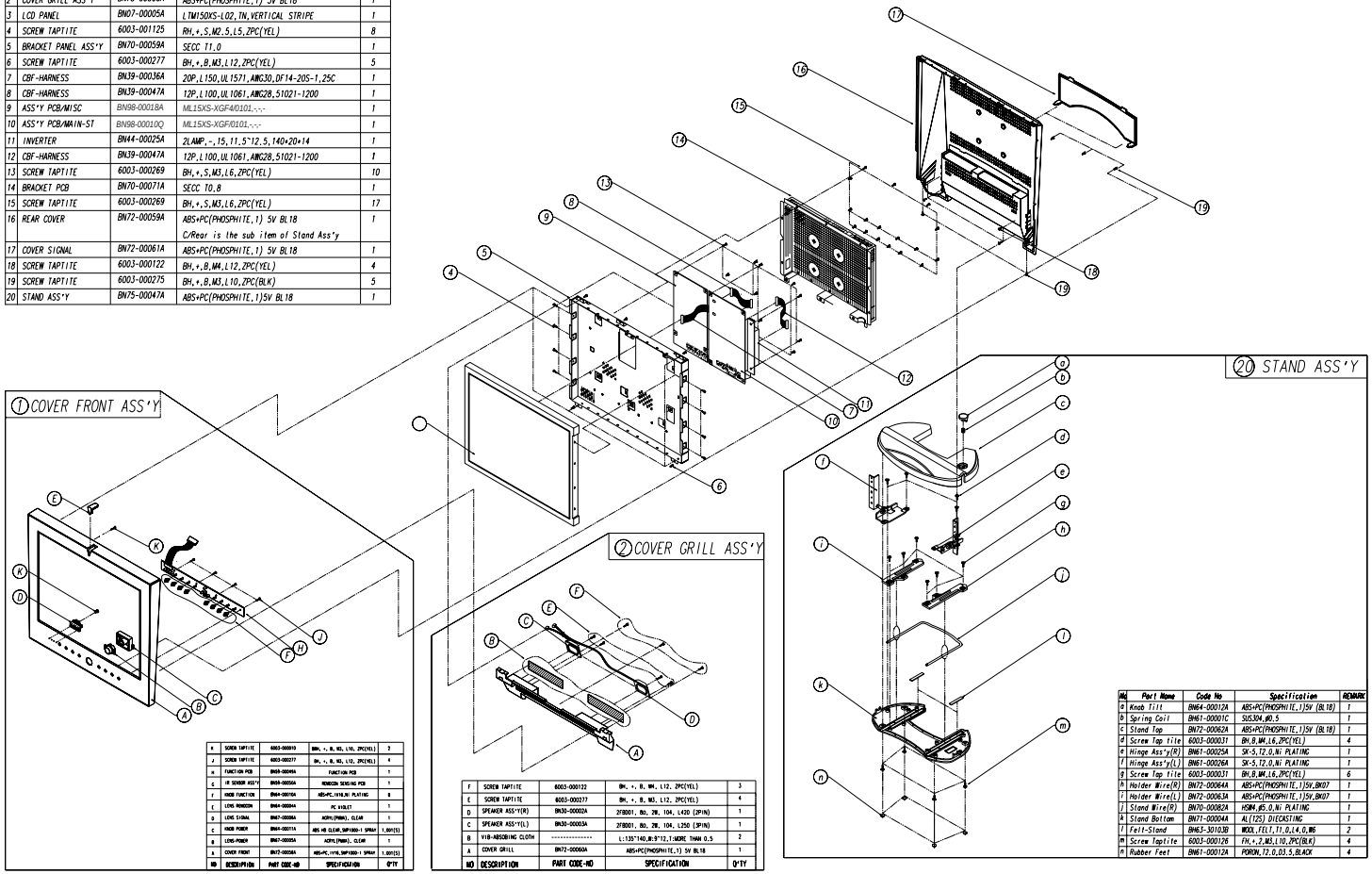
5-4 No Sound


Does the high signal at R822?
No
Check R856 and replace Q801.
Yes
Check Pin 12 of IC800 (TDA7268)
No
Replace IC800.
Yes
Check Pin 60, 67 of IC801 (MSP3450)
No
Replace IC801 (MSP3450).
Yes
Check IC703, tuner, related circuit of IC703 and tuner

5 Exploded View and Parts List

5-1 Sync Master 150MB

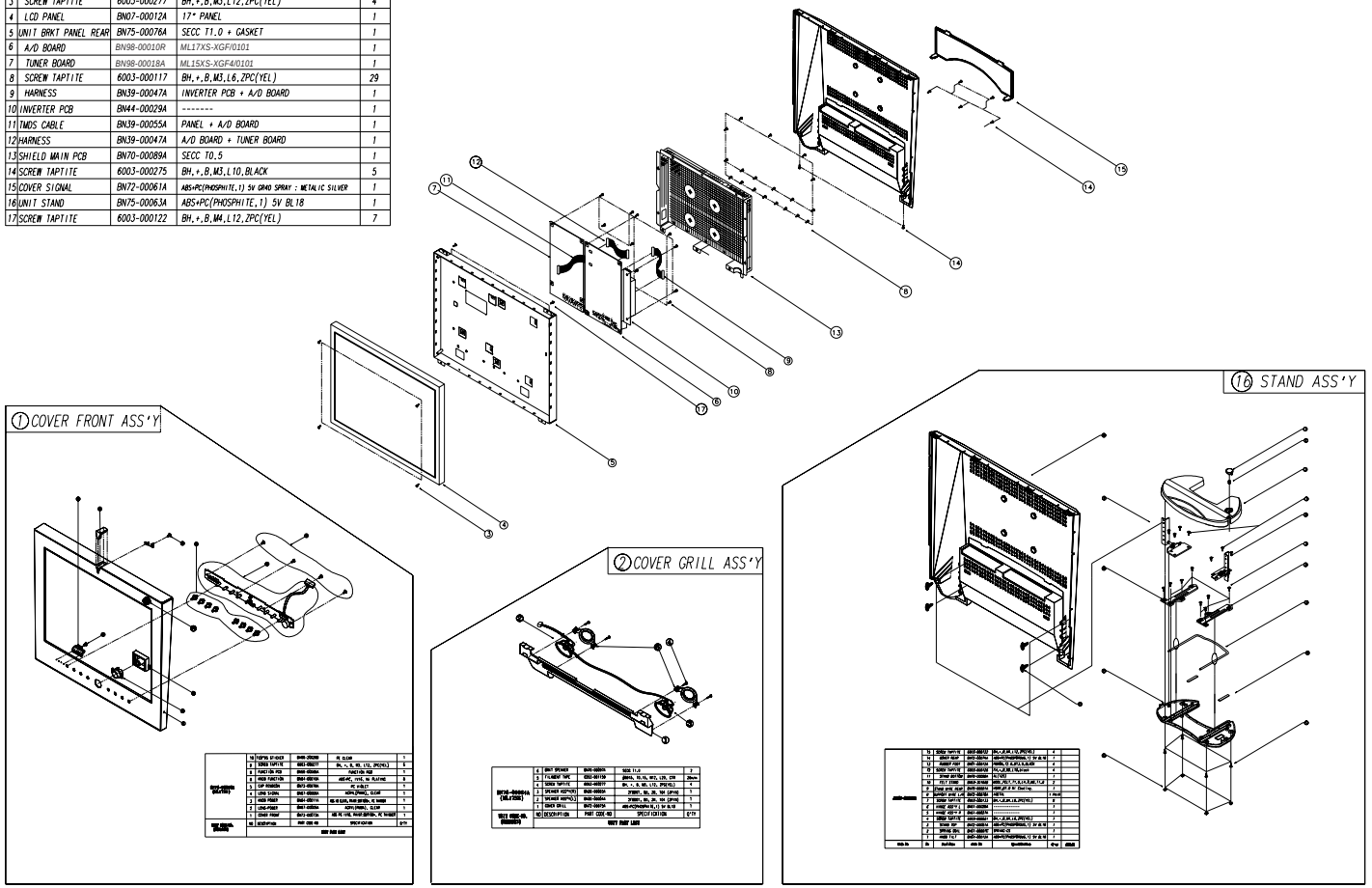
No	Part Name	Code No	Specification	Q'TY
1	FRONT COVER ASS'Y	BN75-00065A	ABS+PC IV16(SILVER SPRAY)	1
2	COVER GRILL ASS'Y	BN75-00066A	ABS+PC(PHOSPHITE,1) 5V BL18	1
3	LCD PANEL	BN07-00005A	LTM150XS-L02, TN, VERTICAL STRIPE	1
4	SCREW TAPTITE	6003-001125	BH,+,S,M2.5,L5,ZPC(YEL)	8
5	BRACKET PANEL ASS'Y	BN70-00059A	SECC T1.0	1
6	SCREW TAPTITE	6003-000277	BH,+,B,M3,L12,ZPC(YEL)	5
7	CBF-HARNESS	BN39-00036A	20P,L150,UL1571,AWG30,DF14-20S-1.25C	1
8	CBF-HARNESS	BN39-00047A	12P,L100,UL1061,AWG28,51021-1200	1
9	ASS'Y PCB/MISC	BN98-00018A	ML15XS-XGF40101,-,-,-	1
10	ASS'Y PCB/MAIN-ST	BN98-00010Q	ML15XS-XGF/0101,-,-,-	1
11	INVERTER	BN44-00025A	2LAMP,-,15,11.5*12.5,140*20*14	1
12	CBF-HARNESS	BN39-00047A	12P,L100,UL1061,AWG28,51021-1200	1
13	SCREW TAPTITE	6003-000269	BH,+,S,M3,L6,ZPC(YEL)	10
14	BRACKET PCB	BN70-00071A	SECC T0.8	1
15	SCREW TAPTITE	6003-000269	BH,+,S,M3,L6,ZPC(YEL)	17
16	REAR COVER	BN72-00059A	ABS+PC(PHOSPHITE,1) 5V BL18 C/Rear is the sub item of Stand Ass'y	1
17	COVER SIGNAL	BN72-00061A	ABS+PC(PHOSPHITE,1) 5V BL18	1
18	SCREW TAPTITE	6003-000122	BH,+,B,M4,L12,ZPC(YEL)	4
19	SCREW TAPTITE	6003-000275	BH,+,B,M3,L10,ZPC(BLK)	5
20	STAND ASS'Y	BN75-00047A	ABS+PC(PHOSPHITE,1)5V BL18	1



No	Part Name	Code No	Specification	REMARK
a	Knob Tilt	BN64-00012A	ABS+PC(PHOSPHITE,1)5V (BL18)	1
b	Spring Coil	BN61-00001C	SUS304,ø0.5	1
c	Stand Top	BN72-00063A	ABS+PC(PHOSPHITE,1)5V (BL18)	1
d	Screw Tap tite	6003-000031	BH,B,M4,L6,ZPC(YEL)	4
e	Hinge Ass'y(R)	BN61-00025A	SK-5,T2.0,Ni PLATING	1
f	Hinge Ass'y(L)	BN61-00026A	SK-5,T2.0,Ni PLATING	1
g	Screw Tap tite	6003-000031	BH,B,M4,L6,ZPC(YEL)	6
h	Holder Wire(R)	BN72-00064A	ABS+PC(PHOSPHITE,1)5V,BK07	1
i	Holder Wire(L)	BN72-00063A	ABS+PC(PHOSPHITE,1)5V,BK07	1
j	Stand Wire(R)	BN70-00062A	HSPM,Ø5.0,Ni PLATING	1
k	Stand Bottom	BN71-00004A	AL(125) DIECASTING	1
l	Felt-Stand	BN63-30103B	WOOL,FELT,T1.0,L4.0,W6	2
m	Screw Taptite	6003-000126	FH,+,2,M3,L10,ZPC(BLK)	4
n	Rubber Feet	BN61-00012A	PORON,T2.0,D3.5,BLACK	4

5-2 Sync Master 170MB

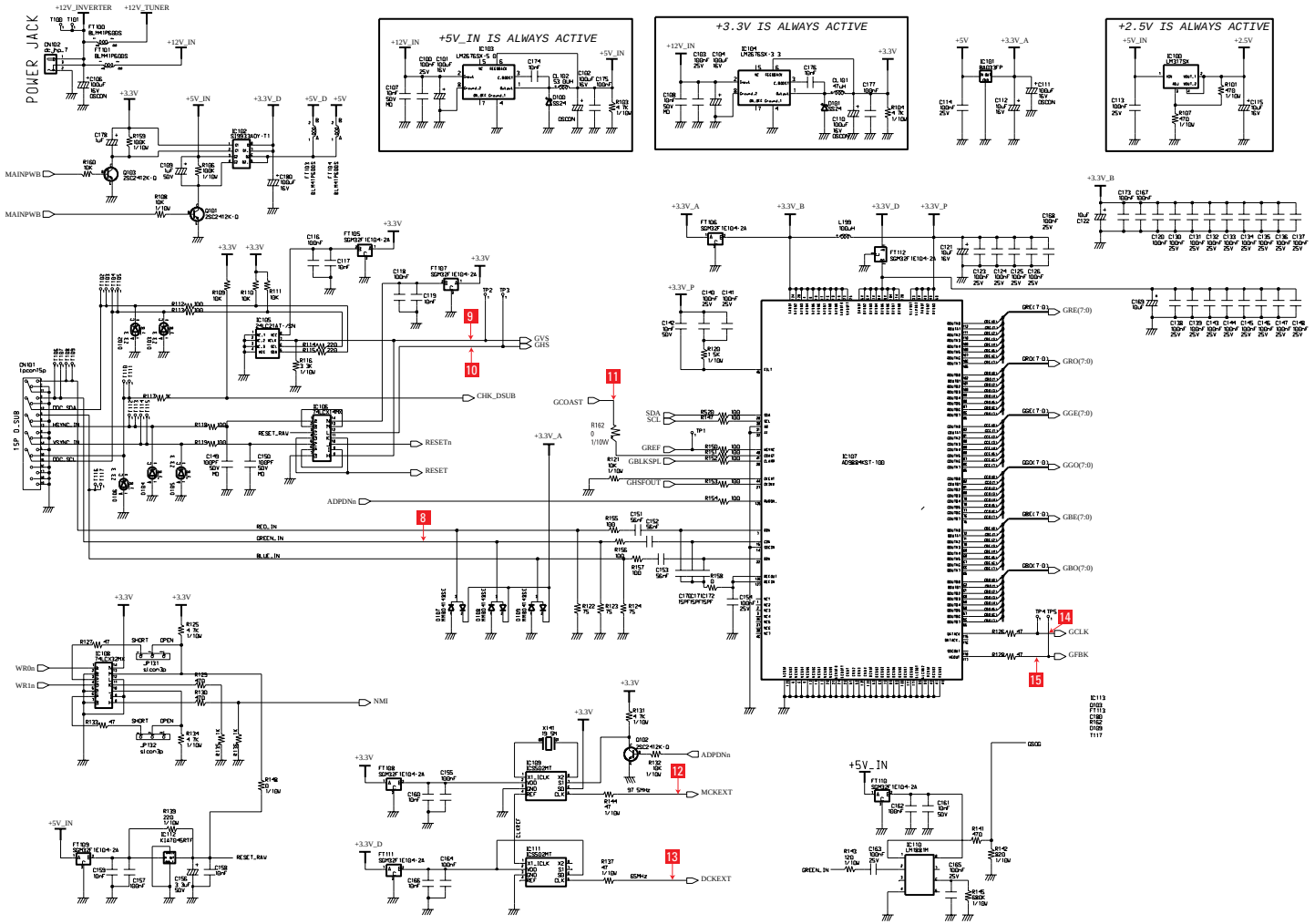
No	Part Name	Code No	Specification	Q'TY
1	UNIT COVER FRONT	BN75-00062A	ABS+PC(PHOSPHITE,1) 5V IV16 SPRAY : SMP1000-1	1
2	UNIT COVER GRILL	BN75-00064A	ABS+PC(PHOSPHITE,1) 5V BL18	1
3	SCREW TAPTITE	6003-000277	BH,+,B,M3,L12,ZPC(YEL)	4
4	LCD PANEL	BN07-00012A	17" PANEL	1
5	UNIT BRKT PANEL REAR	BN75-00076A	SECC T1.0 + GASKET	1
6	A/D BOARD	BN98-00010R	ML17XS-XGF/0101	1
7	TUNER BOARD	BN98-00018A	ML15XS-XGF4/0101	1
8	SCREW TAPTITE	6003-000117	BH,+,B,M3,L6,ZPC(YEL)	29
9	HARNESS	BN39-00047A	INVERTER PCB + A/D BOARD	1
10	INVERTER PCB	BN44-00029A	-------	1
11	TMDS CABLE	BN39-00055A	PANEL + A/D BOARD	1
12	HARNESS	BN39-00047A	A/D BOARD + TUNER BOARD	1
13	SHIELD MAIN PCB	BN70-00089A	SECC T0.5	1
14	SCREW TAPTITE	6003-000275	BH,+,B,M3,L10,BLACK	5
15	COVER SIGNAL	BN72-00061A	ABS+PC(PHOSPHITE,1) 5V GRAD SPRAY : METALIC SILVER	1
16	UNIT STAND	BN75-00063A	ABS+PC(PHOSPHITE,1) 5V BL18	1
17	SCREW TAPTITE	6003-000122	BH,+,B,M4,L12,ZPC(YEL)	7



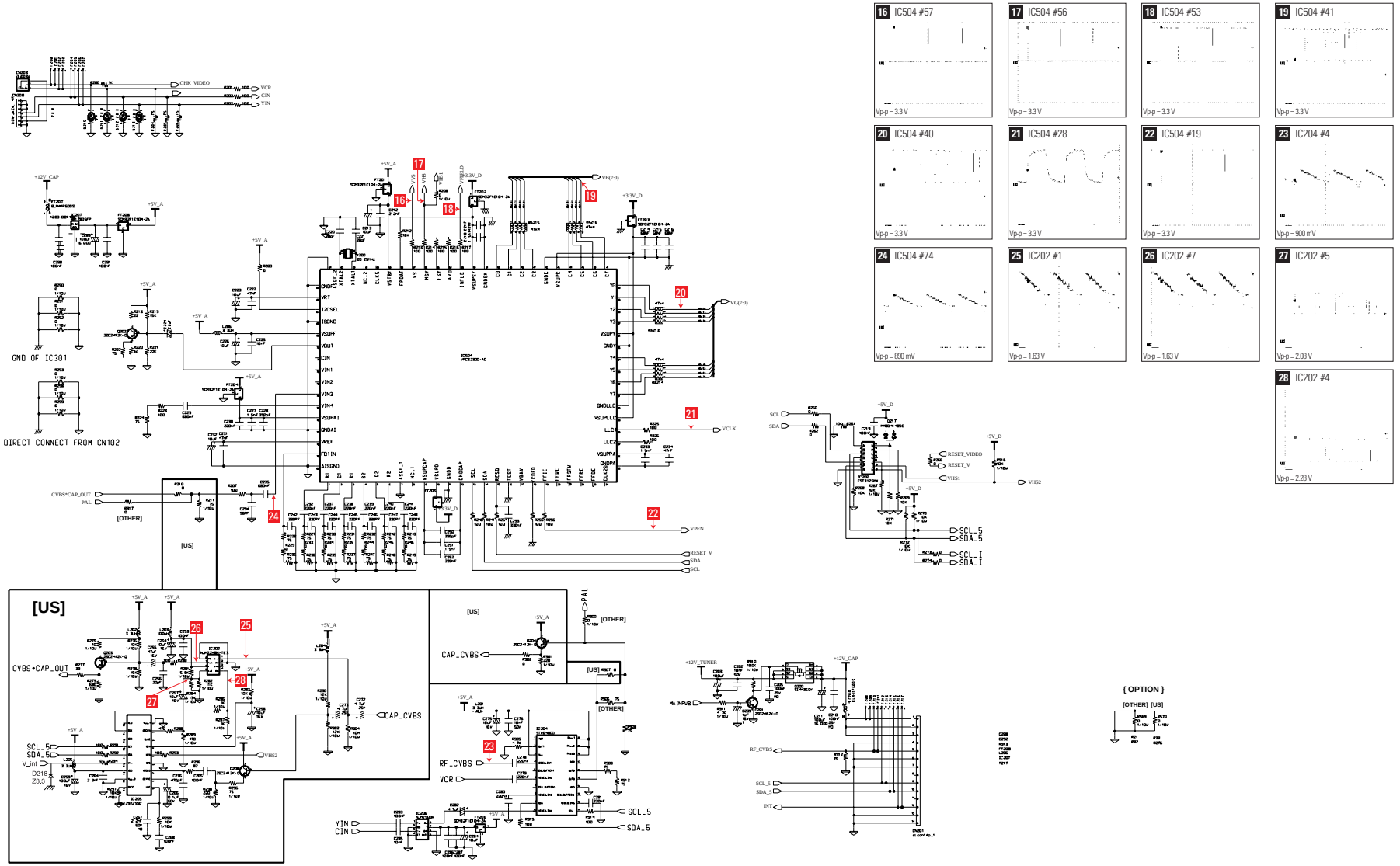
Memo

9 Schematic Diagram

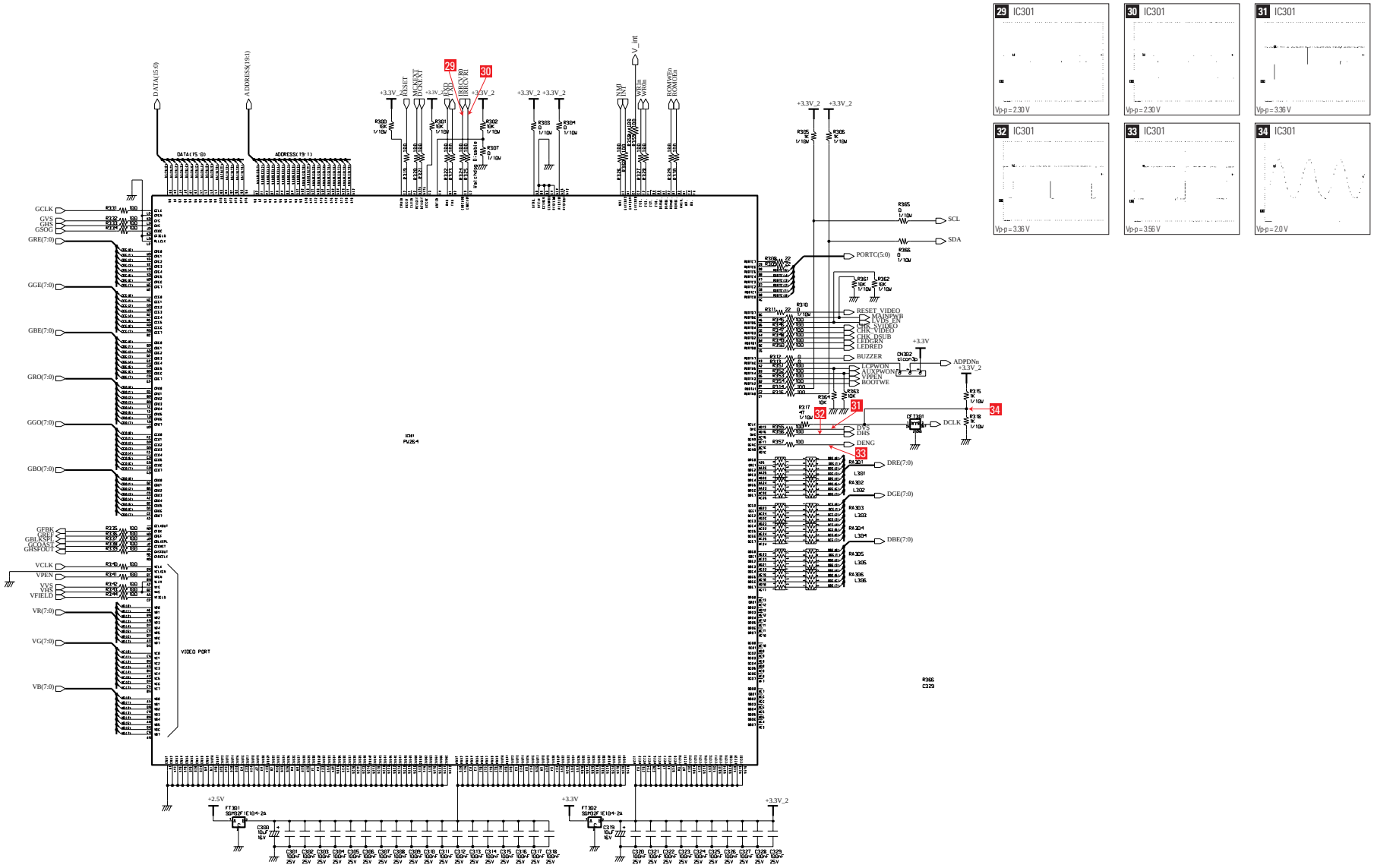
9-1 ADC / PLL Part Schematic Diagram (150MB)



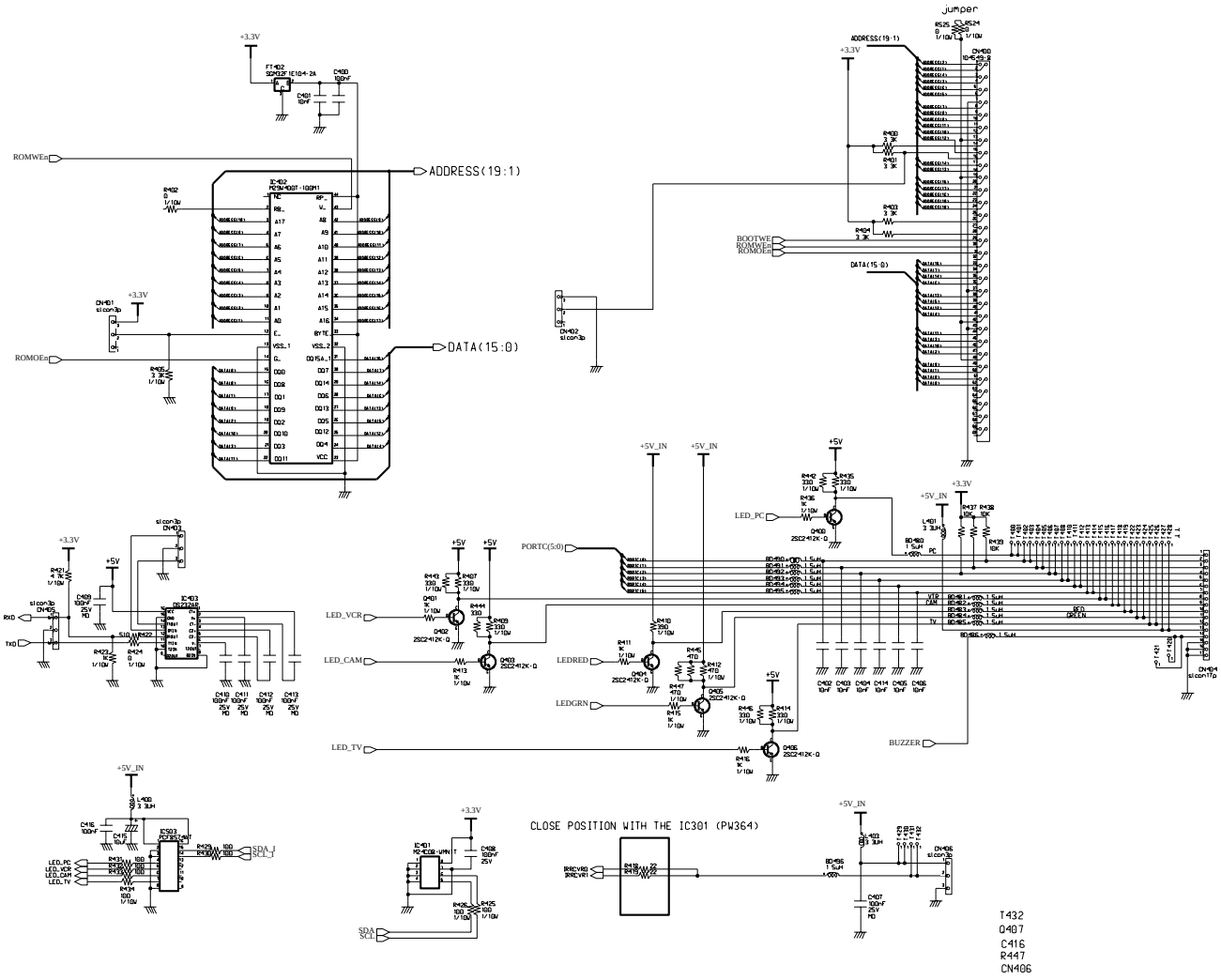
9-2 Video Decoder Part Schematic Diagram (150MB)



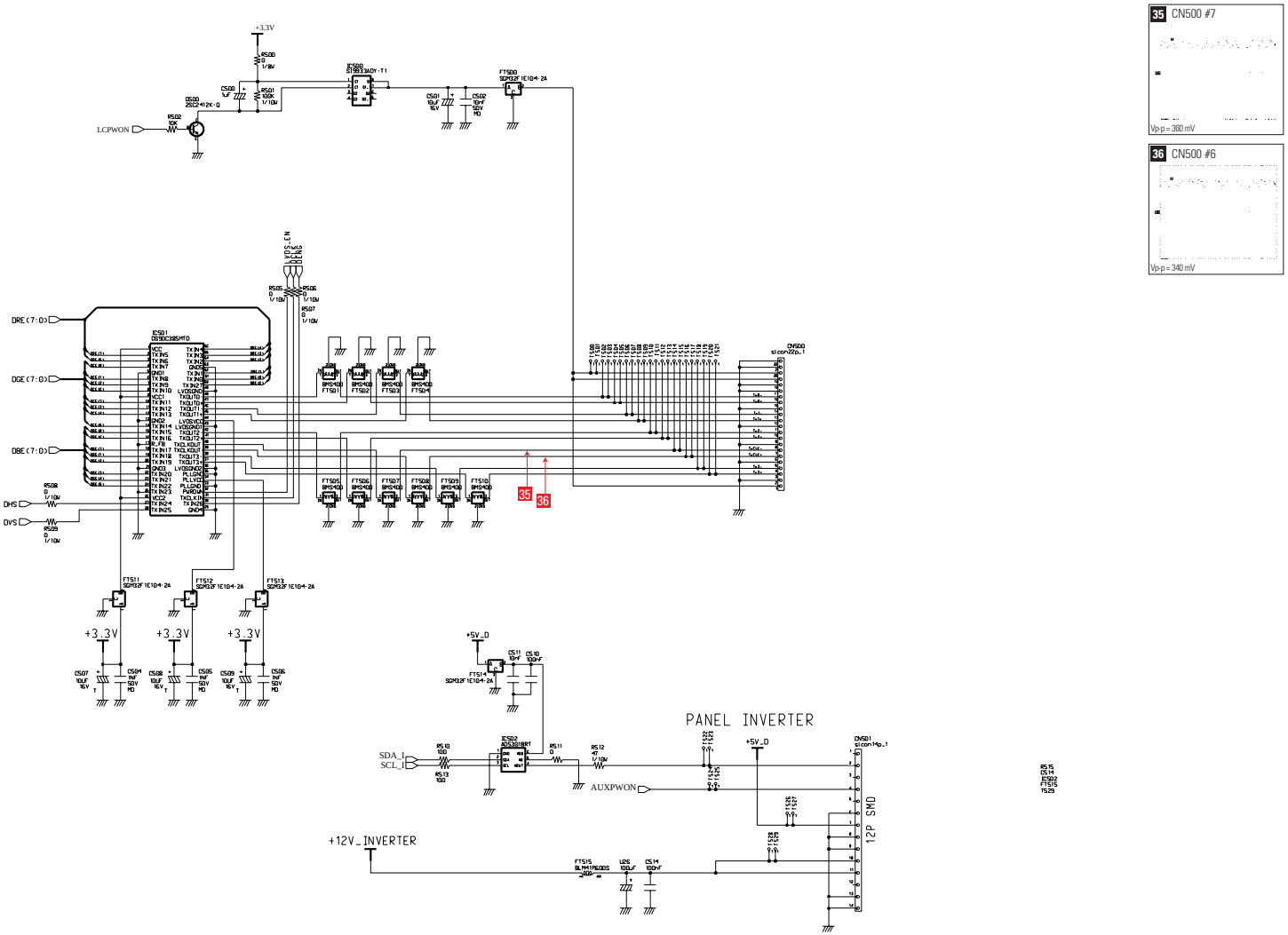
9-3 PW264 Part Schematic Diagram (150MB)



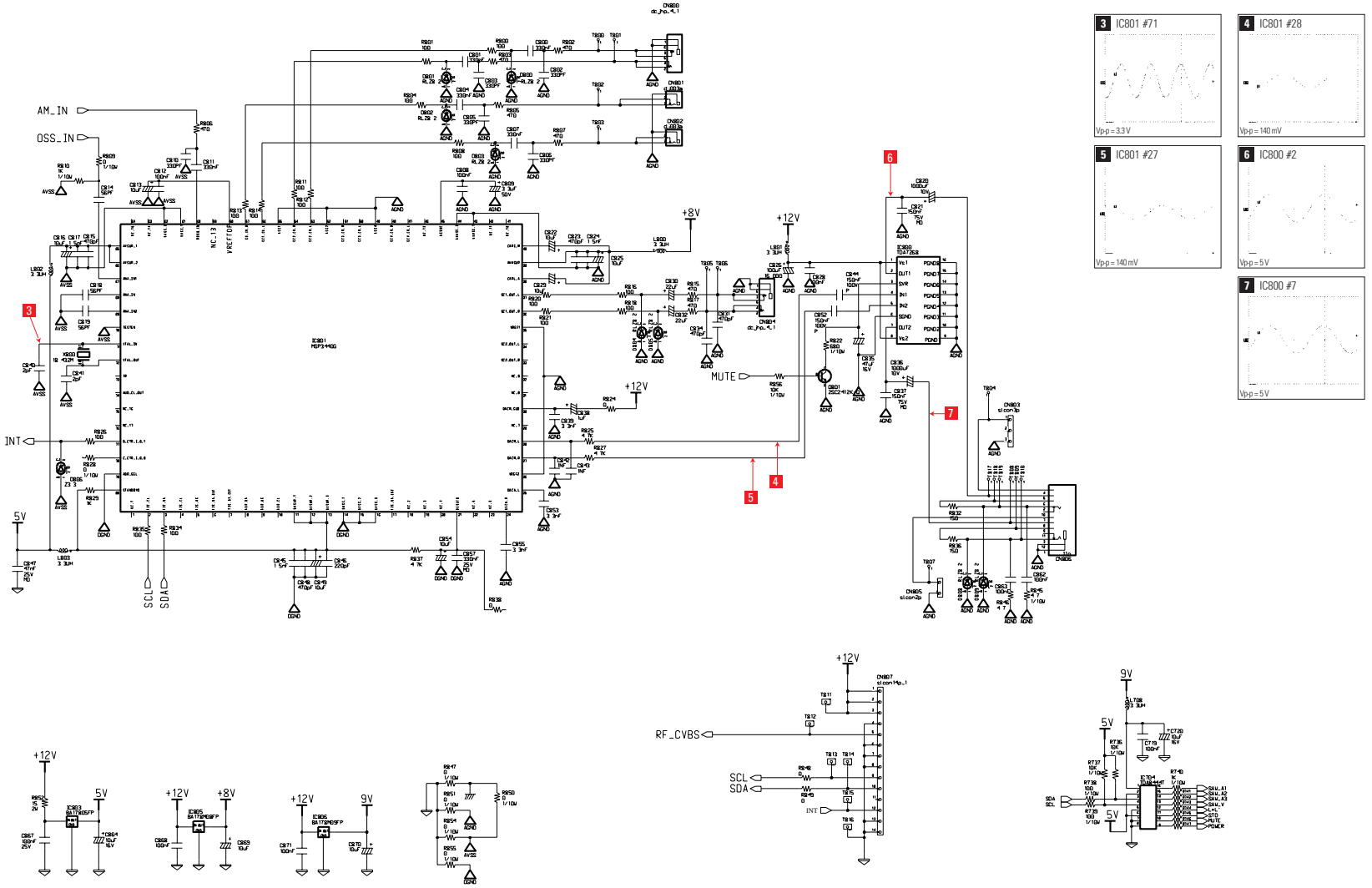
9-4 Memory Part Schematic Diagram (150MB)



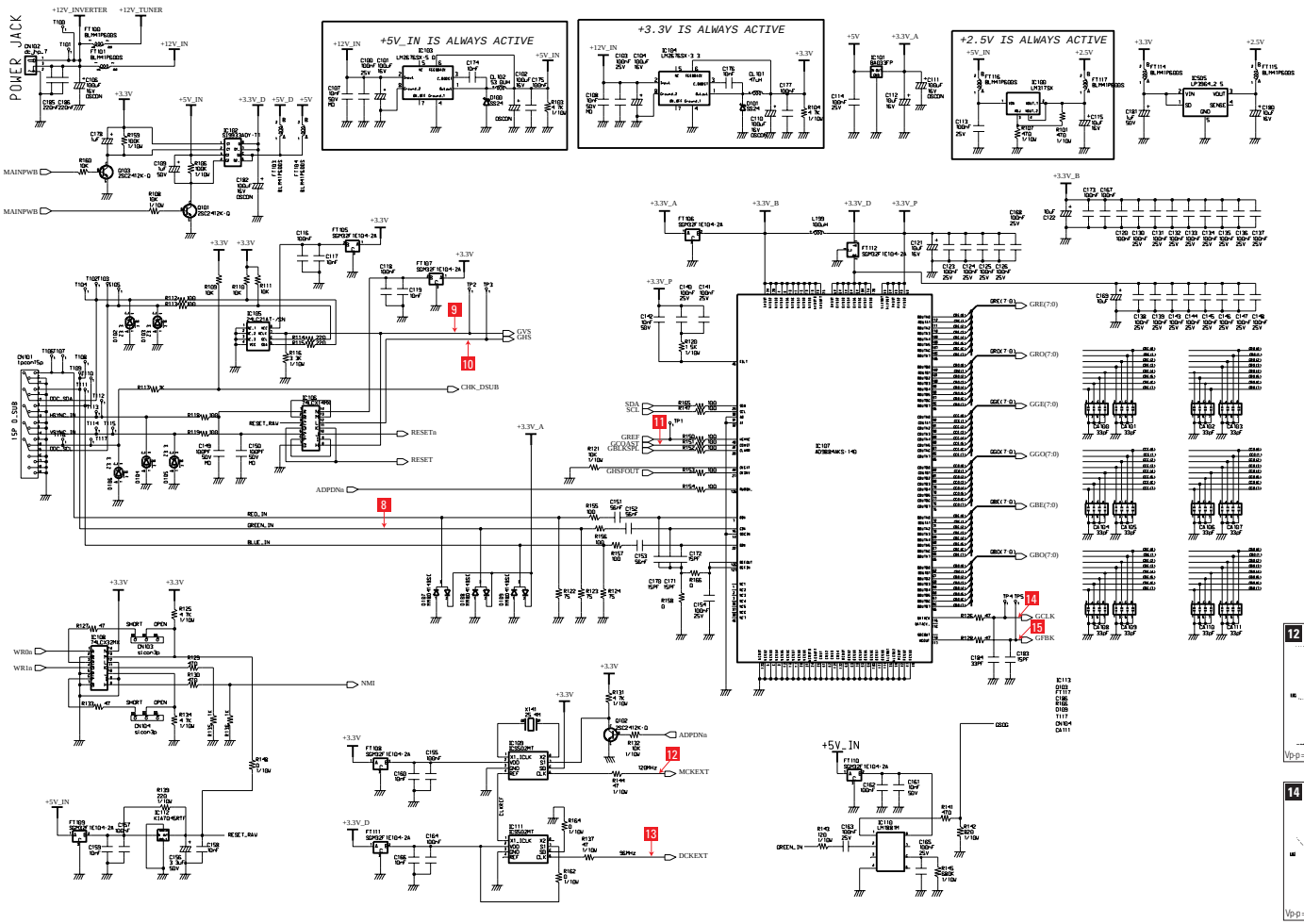
9-5 LVDS Part Schematic Diagram (150MB)

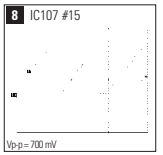


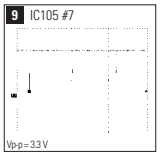
9-6 Audio Part Schematic Diagram (150MB)

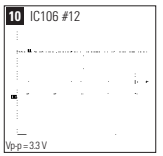


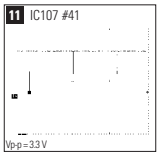
9-7 ADC / PLL Part Schematic Diagram (170MB)

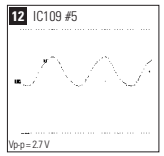


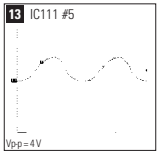


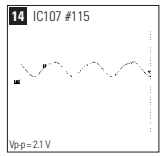


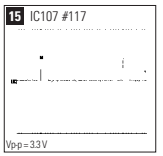




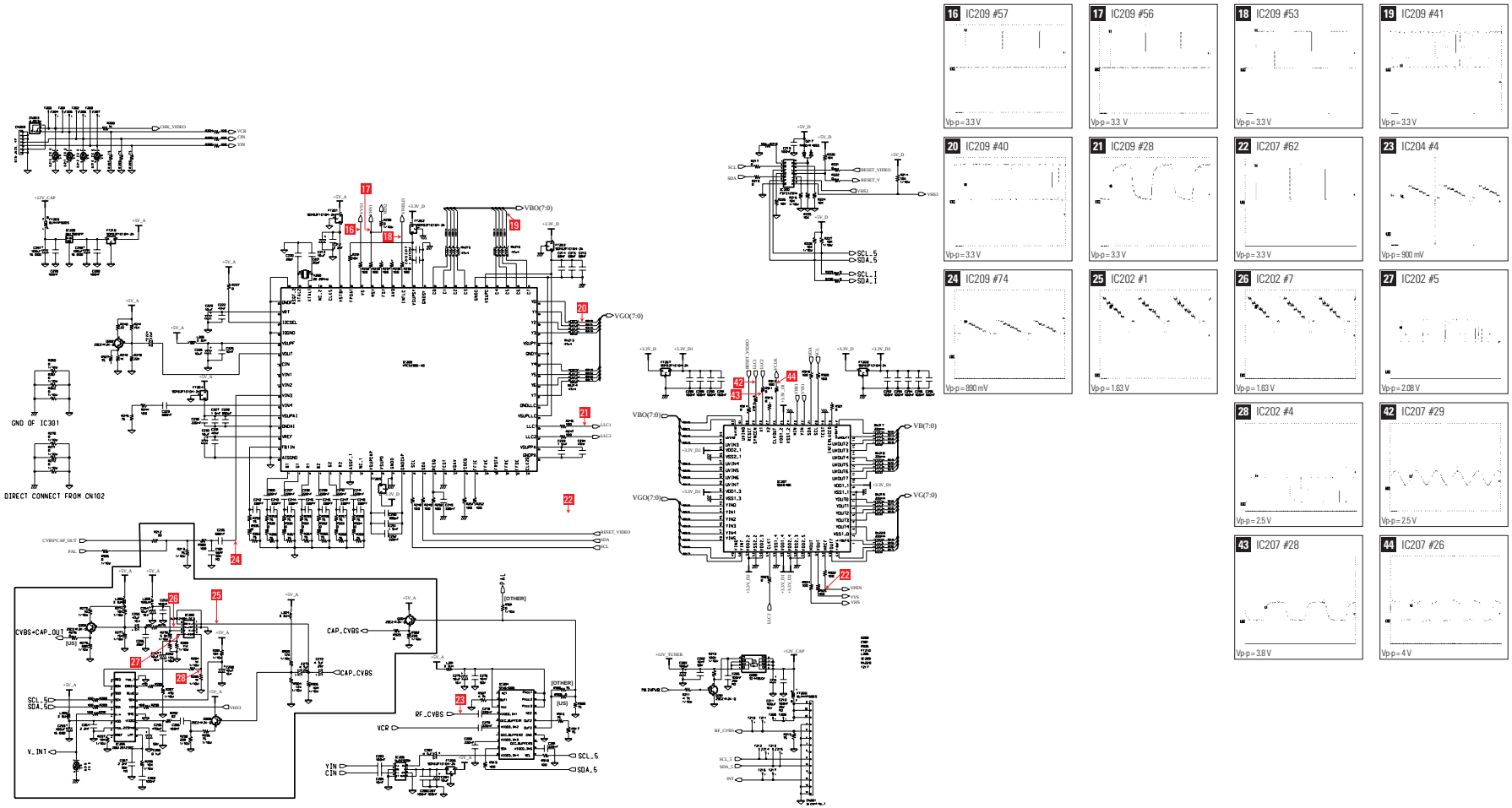




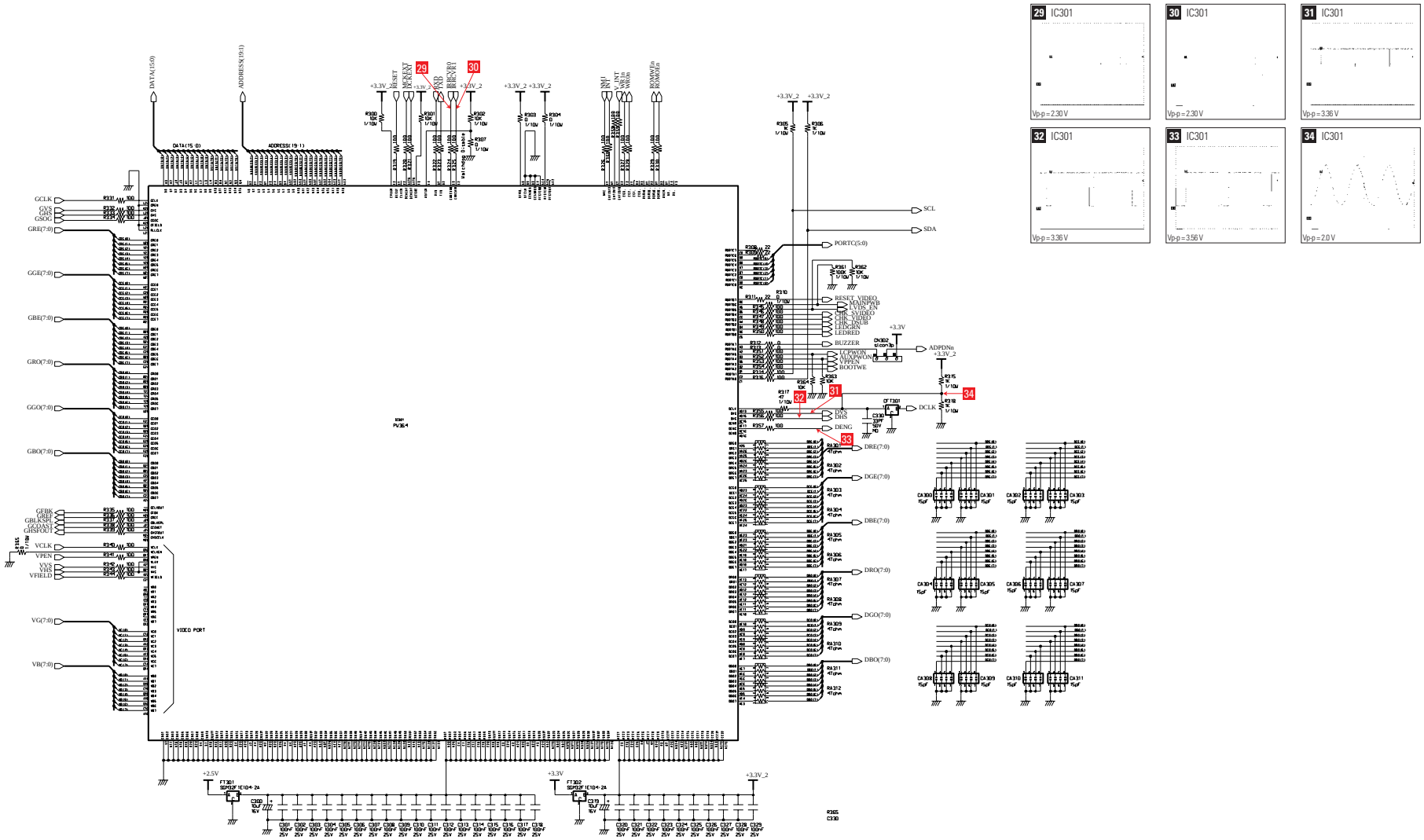




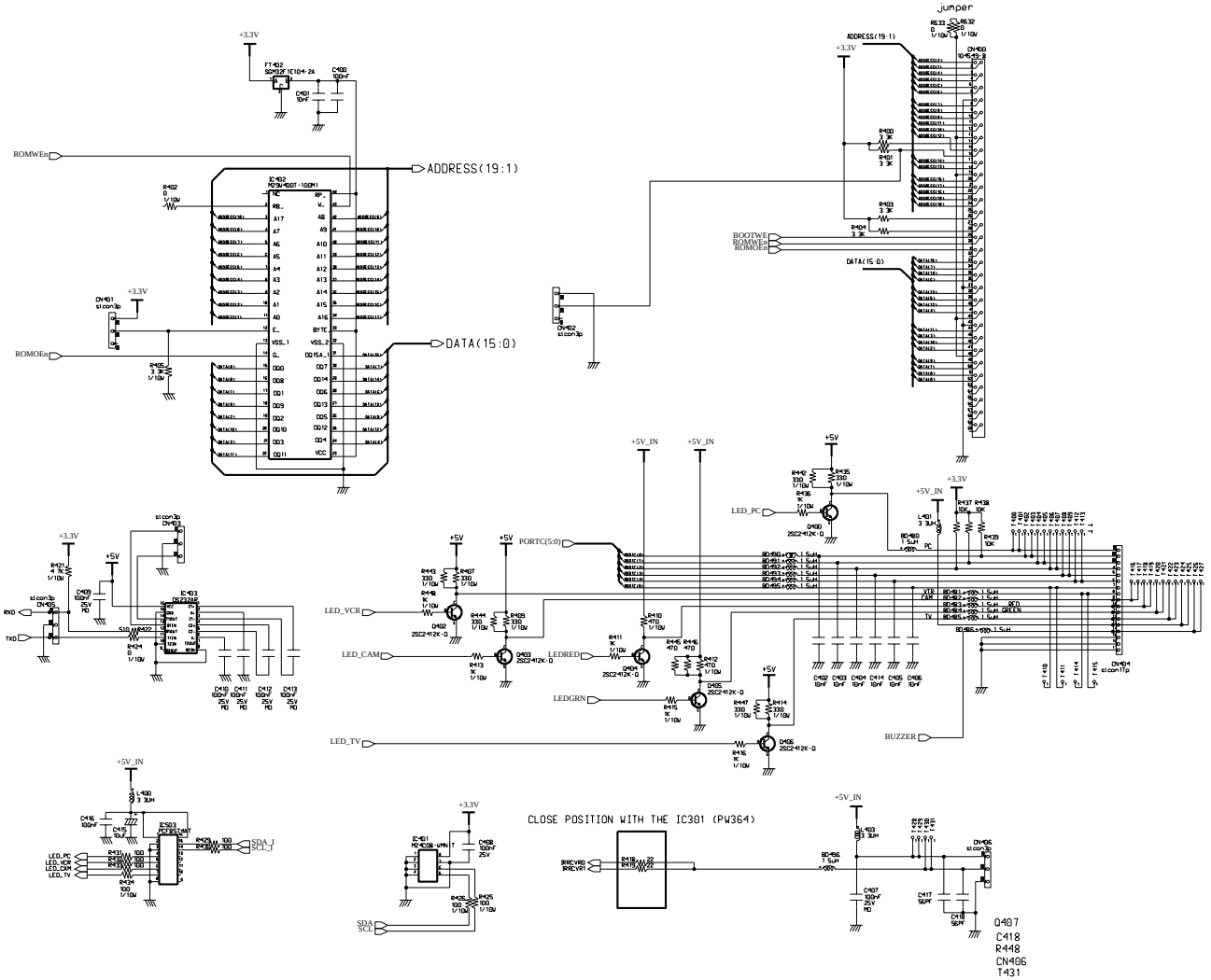
9-8 Video Decoder Part Schematic Diagram (170MB)



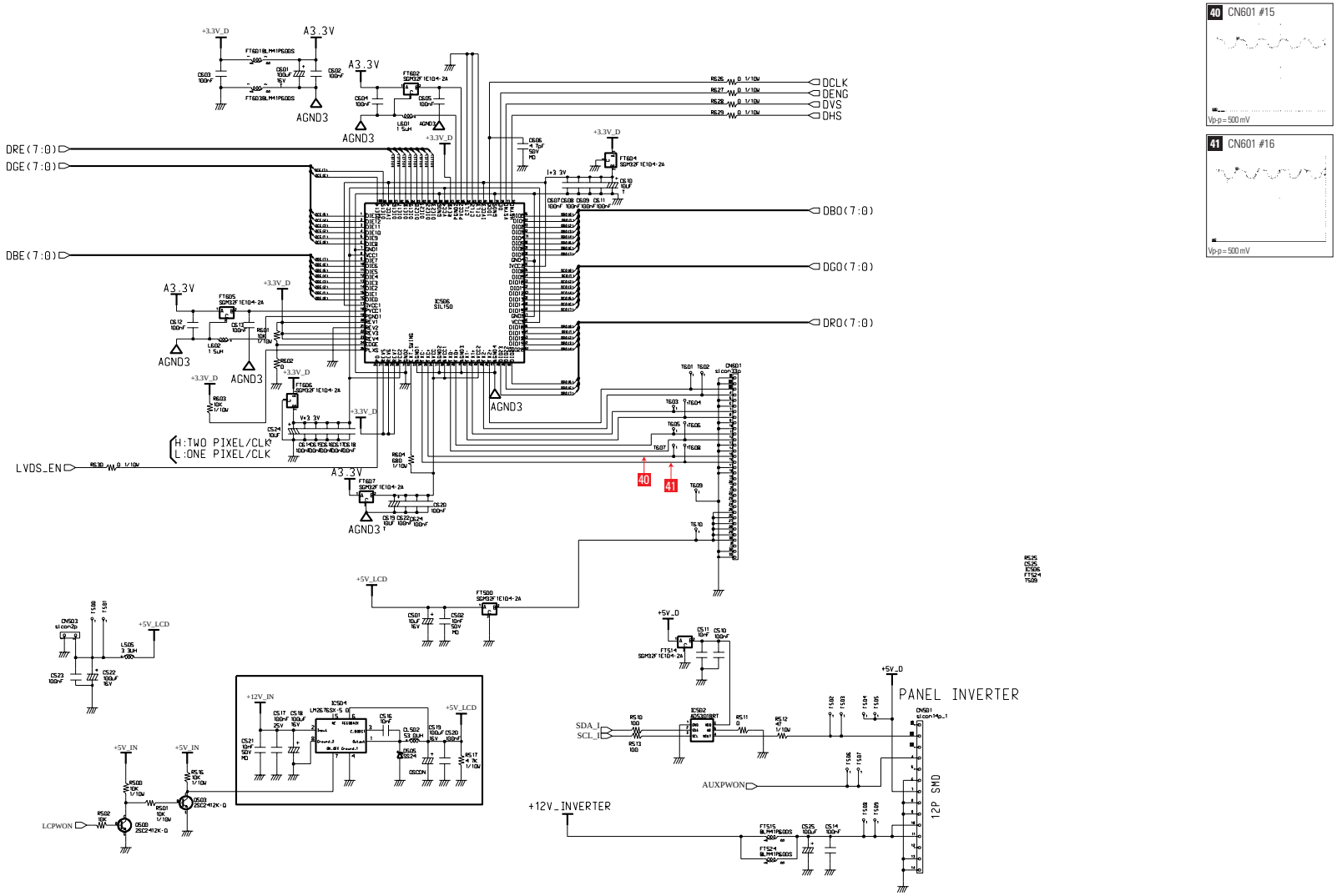
9-9 PW364 Part Schematic Diagram (170MB)



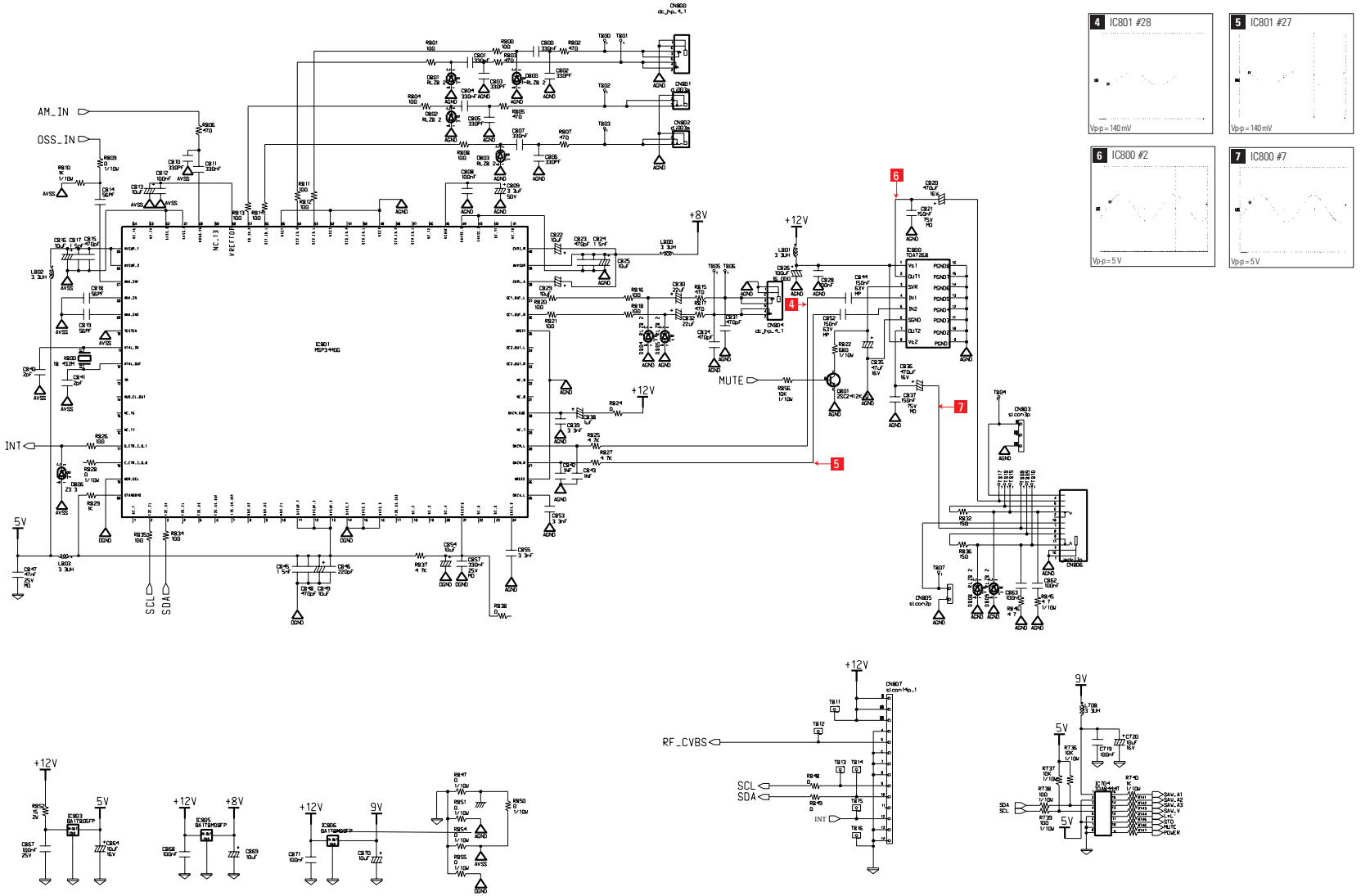
9-10 Memory Part Schematic Diagram (170MB)



9-11 LVDS Part Schematic Diagram (170MB)



9-12 Audio Part Schematic Diagram (170MB)



Memo